

SEQUENCE LISTING

<110> The Government of the United States of America

<120> CELL LINES AND HOST NUCLEIC ACIDS RELATED TO INFECTIOUS DISEASES

<130> 6395-66741

<150> US 60/482,604

<151> 2003-06-25

<150> US 60/427,464

<151> 2002-11-18

<160> 845

<170> PatentIn version 3.2

<210> 1

<211> 937

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(937)

<223> n is a, g, c, or t

<400> 1

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aatgaagat cggagacttt caagttgtgc ccaggactca cctgctccca ggagacaaaa	360
ggccacacag cagaggagcc tgaagcccat ggcaggatct cctagcttgg ggctgggtgc	420
tctgtagtaa gcattctgaa gttcctaagc tcccttcttc ctgataggag cattgacctg	480
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gcaggcctca ggttctgcta ctccatgtac tattctgtgc ttgcacaggc cagaagctaa	600
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cgccctgtcc ctgccctgac actgattccc cagcccttgc caccagcc ccttcaccct	720
ccactgcccg tgcagcagca gagacactcc ctcttgatg caaactgagg cctctggcac	780
cccaactctt tcaaggcaat gatagtctgt gcttaactct acatggccag gccccactc	840
agggaaatnc tgtgtgaaat tggtatccgc tgsacaattc cacacaacat ggnncgtcag	900
accccgaaga aaagaancaa nggatctttt gggnacc	937

<210> 2
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 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n is a, c, g, or t

<400> 2
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 tatgcagtgc tgccataacc atgagtgata aactgcggc caacttactt ctgacaacga 180
 tcggaggacc gaaggagcta accgcttttt tgcacaacat gggggatcat gtaactcgcc 240
 ttgatcggtt ggaaccggag ctgaatgaag ccataccaaa cgacgagcgt gacaccacga 300
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 cttcccggca acaattaata gactggatgg aggcggataa agttgcagga ccacttctgc 420
 gtcggccct tccggctggc tggtttattg ctgataaatc tggagccggt gagcgtgggt 480
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 ttgcccttat ctcaaactct tattatgaaa tcactnccct tgagagaraa aaagcctttt 720
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<210> 3
<211> 885
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(885)
<223> n is a, g, c, or t

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ttgcaaggca tggaaaaata cataactgag aatagaaaag ttcagatcga ggtcaggaac 180
agatggaaca gggtcgaccg gtcgaccggt cgaccctaga gaaccatcag atgtttccag 240
ggtgccccaa ggacctgaaa tgaccctgtg ccttatttga actaaccaat cagtctcgctt 300
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ctcggggcgc cagtctccg attgactgag tcgcccgggt acccgtgtat ccaataaacc 420
ctcttgagcgt tgcacccgac ttgtggtctc gctgttccctt gggagggtct cctctgagtg 480
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ctctggagct gggggactca gctttgtatt tctgtgccag cagcgtaggt ggtagcttga 720
aacagttctt cgggccaggg acacggctca ccgtgctagg taagaagggg gctccagtgg 780
gagagagggt gagcagccca ncctgnnca cccanance tgtnnttagg ggagtgnca 840
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<210> 4
<211> 900
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(900)
<223> n is a, g, c, or t

<400> 4

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acatagaaaa aaatctgaaa agatatctca aaagcccaga cattttattca cactaacggt	120
gaaaagcata cccacacagtg tcagtggagg caacatgggg tcctggattt cctcttcacc	180
ctcagtggta gtgaggtggt cctctcactc cttctgagta gaggaagcca agaggaaagc	240
tggaacttgt accatcatcc agtggtgata aagcctctgt cctccacct tcccccagg	300
ttatcagtgg caaccacatg gctagtggta cccctccgc tcctagccag aatgatatca	360
gcagaggcct agagagtagc caaaaaactc atctgcacc agcaggactg aggtttccta	420
ccccaccaa tggaagcaa gtgaggaacc taagccttca cctctcactc agcaggaacc	480
agacaacacc ccctaacaca cacacacaca cacacacaca cacacccttc tgtagtggtg	540
gtatcaagga ggcttgataa aatagaagat ttaaataagga tccattgccc ttatctcaaa	600
ctcttattat gaaatcactc ccttgagaga gaaaaaagcc tttttctctt ggattgtccc	660
agcagctccc gaccatcccc actccccaac cttatgtggc cccagcaatg agcctagtag	720
taggaaaatc tctatggata ctggtgctga tgggaagatt cttcctctca ngaagtgatg	780
gtgactgggg ctctgggatg ctcacgggaa tncatttcc cccacaagaa nttattttat	840
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<210> 5
 <211> 869
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(869)
 <223> n is a, g, c, or t

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ttcttccaat ttcccaaata aatctgtaaa ggtcacaggt gaagttcttc tctttaagag	120
ctactccatg ctaagttcag cgagaacttg gggtagccta gacattcttc cagagatgct	180
tttcttgtaa ctcttttcaa taagtaagca tgctttgctc tgcactgggt gtcacctgtg	240
ttggatgctg ttgtccctgc cttgccctat attctgtcca catggtttct tcataggatg	300
atgcttaggt cagccctgag gtttgaacca gtcaacaagt ccaggttggt gtggagtccc	360
tttagtacct ccctttgcag gaataatgct gcaccagaa actccctcag agcctctcca	420
ctggaggggc cttgtgacca ttctgggtt actcctcttg ttccagcatc ccatgtggcc	480
aatgggcccc ttctattttc aatggatatc caattcttac agtaagttat attattgccc	540
tacatcgaac tcatcttttc tcagtgttac ctgaggaaga atggagagga tgcccagaat	600

tggcccagaa gaatccactt cgattctaga gaaaaaggca ggtagaggca gaagagattc	660
acttcccagt gcatgcgtgc tgaatgttgg ggggtgttgtt tgagagagac aaggaaatgg	720
ctgtaaaact tgggaagagg aacctgccct ggggtcaagta ggggtgttggg aggaccagat	780
ggagcttgaa gctctctcca tctttgtcaa gtcccctgga ctgagagggn aaaatnacat	840
ggcctttatc ctccagagga aantnattc	869

<210> 6
 <211> 850
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(850)
 <223> n is a, g, c, or t

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gagttcttct gagcgggact ctgggggttcg aaatgagcta gcccttaagt aacgccattt	120
tgcaaggcat ggaaaaatac ataactgaga atagaaaagt tcagatcgag gtcaggaaca	180
gatggaacag ggtcgaccgg tcgaccggtc gaccctagag aaccatcaga tgtttccagg	240
gtgccccaaag gacctgaaat gaccctgtgc cttatttgaa ctaaccaatc agttcgcttc	300
tcgcttctgt tcgcgcgctt ctgctccccg agctcaataa aagagccac aaccctcac	360
tcggggcgcc agtcctccga ttgactgagt cgccccggta cccgtgtatc caataaaccc	420
tcttgcagtt gcatccgact tgtgggtctcg ctgttccttg ggaggggtctc ctctgagtga	480
ttgactaccc gtcagcgggg gtctttcact ctctgtgtac tggtagcaac agagcctgga	540
ccagggcctc cagttcctca ttcagtatta taatggagaa gagagagcaa aaggaaacat	600
tcttgaacga ttctccgcac aacagttccc tgacttgac tctgaactaa acctgagctc	660
tctggagctg ggggactcag ctttgtattt ctgtgccagc agcgtaggtg gtagcttgaa	720
acagttcttc gggccaggga cacggctcac cgtgctaggt aagaaggggg ctccaggtgg	780
gagagagggt gagcagcca ncctgcacga cccanaacc ctgttcttag gggagnggac	840
actgggncat	850

<210> 7
 <211> 847
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(847)
 <223> n is a, g, c, or t

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 gagcatctca gcgtcactcg ctgtccagtt gctgtgatca ggtgctttgg ggtttgtgtg 120
 actccagaat ccactgggcc tgtgtgtcag aagacaaaag ttaaccataa ggcacagaag 180
 aaagcctcct gctgaagcca tcgttggccc acatgcattt cagggacaag aaatgaagat 240
 cggagacttt caagttgtgc ccaggactca cctgctccca ggagacaaaa ggccacacag 300
 cagaggagcc tgaagcccat ggcaggatct cctagcttgg ggctgggtgtc tctgtagtaa 360
 gcattctgaa gttcctaagc tcccttcttc ctgataggag cattgacctg tgatgtcacc 420
 aactgacat actttccctt gcaggccact ccagcccact gtactctttg gcaggcctca 480
 ggttctgcta ctccatgtac tattcctgtc ttgcacaggc cagaagctaa aggtgaggag 540
 gactgaacac agtaccaaca taccacatc acaccttact ttctctgtcc cgccctgtcc 600
 ctgccctgac actgattccc cagcccttgc caccacagcc ccttcaccct ccactgcccg 660
 tgcagcagca gagacactcc ctctttagt caaactgagg cctctggcac cccaactctt 720
 tcagggaat gatagtctgt gcttaactct acatggccag gcccactca ggaattctc 780
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 tacagac 847

<210> 8
 <211> 755
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(755)
 <223> n is a, g, c, or t

<400> 8
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 taagtgaag tttattttta tttttttttt ttttttgaga cagagtctcg ctctgtcacc 120
 caggctagag tgcagtggca tgatcttggc tcaactgcaac ctccacctcc caggttcaag 180
 tgattctctt gcctcagcct cccaagtagc tagtattaca gacgcctgcc accacgcccg 240
 gttaattttt gtacttttag tagagacagg tttcaccata ttggccaggc tgggtctcaa 300
 ctctgacct caggtgatcc tctgctca gcctcccaaa gtgctgggat tacaggcatg 360

agctaccacg tctggcctaa gtgcatgtta cctatactaa caaaaccaca cttctgcctc 420
 gaatgagaac agtctcctga acatcttgcc tctttgcctg actcaaagcc tcaggtctaa 480
 gcctcccat aatttctagt ctcagcagaa agatcaatga caggagactc tccaggtgat 540
 gaaattaacc aattaagtaa cctggggttg catcctcccg tttgttcacc agctcacctn 600
 ctgccacagg tatatccttt ctctcancca tatatgcaca aacccccctnc ccacgggnaca 660
 catannaana atttggaaga ctanaaaatc aggccanggtt tancncacct tnggggctgg 720
 agtatggnan cctggggccg nacatncata cattg 755

<210> 9
 <211> 839
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(839)
 <223> n is a, g, c, or t

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 ttctaagtgc aagtttattt ttattttttt tttttttttt gagacagagt ctcgctctgt 180
 caccagggt agagtgcagt ggcattgatc ttggtcactg caacctccac ctcccagggt 240
 caagtgattc tcttgctca gcctcccaag tagctagtat tacagacgcc tgccaccacg 300
 cccggttaat ttttgtactt ttagtagaga caggtttcac catattggcc aggctgggtc 360
 caaactcctg acctcagggt atcctcctgc ctcagcctcc caaagtgctg ggattacagg 420
 catgagctac cacgtctggc ctaagtgcatt gttacctata ctaacaaaac cacacttctg 480
 cctcgaatga gaacagtctc ctgaacatct tgctctttg cctgactcaa agcctcagggt 540
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 tgatgaaatt aaccaattaa gtaacctggg ttggcatcct cccgtttggt caccagctca 660
 cctcctgcca caggatatat ctttctctca gccatatatg cacaaccccc ctccccacgg 720
 cacacataga aanaatttgg aagactagaa aatcaggcna gggnttanca caccttngag 780
 ggctggagta tggnanccng ggnccgggan atncatncnn tngaaaactt gactatggg 839

<210> 10
 <211> 829
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(829)
 <223> n is a, g, c, or t

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 ctagccctta agtaacgcca ttttgcaagg catggaaaaa tacataactg agaatagaaa 120
 agttcagatc gaggtcagga acagatggaa cagggctcgac cggtcgaccg gtcgacccta 180
 gagaaccatc agatgtttcc aggggtgcccc aaggacctga aatgaccctg tgccttattt 240
 gaactaacca atcagttcgc ttctcgttcc tgttcgcgcg cttctgctcc ccgagctcaa 300
 taaaagagcc cacaaccctt cactcggggc gccagtcctc cgattgactg agtcgcccgg 360
 gtaccctgtg atccaataaa cctctctgca gttgcatccg acttggtggtc tcgctgttcc 420
 ttgggagggg ctctctgag tgattgacta cccgtcagcg ggggtctttc agtagccctt 480
 cctttgtagc aaagacagac agatggtgat ccaagagata cgcaagaaga ggaccgtgtg 540
 tgatcatggt gagctctaaa aaagagaaat cacttggtat gaantgaagg agaggaaaag 600
 gctgatgtgg atggcctgga agangttcga ttggttacct tggcaccgag cttccttctt 660
 catcctcatn cctccctagt ccttgttctt aaaaanantt ttctttctaa ngtccttctt 720
 ccctccncaa gggggcacia ggatntttta aaaacncctt tccgggcnta attttaacct 780
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<210> 11
 <211> 710
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(710)
 <223> n is a, g, c, or t

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 attttgcaag gcatggaaaa atacataact gagaatagaa aagttcagat cgaggtcagg 180
 aacagatgga acagggtcga ccggtcgacc ggtcgaccct agagaaccat cagatgtttc 240
 cagggtgccc caaggacctg aaatgaccct gtgccttatt tgaactaacc aatcagttcg 300
 cttctcgctt ctgttcgcgc gcttctgctc cccgagctca ataaaagagc ccacaacccc 360
 tcaactcgggg cgccagtcct ccgattgact gagtcgccc ggtaccctgt tatccaataa 420

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accctcttgc agttgcatcc gacttgtggt ctcgctgttc cttgggaggg tctcctctga    480
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cagatgggtga tccaagagat acgcaagaag aggaccgtgt gtgtaatggg tgagctctaa    600
aaagagaaat cacttgggatg gaaatgaagg agaggaaaagg ctgatgtgga tggctgggaa    660
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<210> 12
<211> 752
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)..(752)
<223> n is a, g, c, or t

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ctcccacttc ctccactca tgtaatgaga ggtgctgatg agtcacagga gaggtagccc    180
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tgatgaatat tttctaacac atcttagaag aacataatgc aagacagaat gaaaaactag    360
agaggcagaa acccccaaag taagtagtgg gaaattacca ggtatataat aggtcaagcc    420
tgctctgcag gagctcaagg gattgtagca ttcttatccc aaaccactga atcctgggca    480
aaaataagaa gtcgcctaat tttagtatta ccagcttccc aaccccgggc attcttcac    540
ttactcaagc tgtccagagg cccaggggtg actccctata agtcccatgg gtggctgaga    600
tctattttaga ggcacaaggg tatctnctta taagtccaat gggngggctg agatctatga    660
gaagcatctt gggggagagt gccntttggc caccagcatg tggncocctna attttncatg    720
nnncaactgg nccngggaag gaaaantttt ga    752

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<210> 13
<211> 749
<212> DNA
<213> Homo sapiens

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<220>
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<223> n is a, g, c, or t

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 cattttgcaa ggcattgaaa aatacataac tgagaataga aaagttcaga tcgagggtcag 180
 gaacagatgg aacaggggtcg accgggtcgac cggtcgaccc tagagaacca tcagatgttt 240
 ccaggggtgcc ccaaggacct gaaatgaccc tgtgccttat ttgaactaac caatcagttc 300
 gcttctcgct tctgttcgcg cgcttctgct ccccgagctc aataaaaagag ccacacaacc 360
 ctcaactcggg gcgccagtcc tccgattgac tgagtcgccc gggtagccgt gtatccaata 420
 aaccctcttg cagttgcac cgacttgtgg tctcgctgtt ccttgggagg gtctcctctg 480
 agtgattgac taccgcgtcag cgggggtctt tcagtagccc ttcctttgta gcaaagacag 540
 acagatgggtg atccaagaga tacgcaagaa gaggaccgtg tgtgtaatgg ttgagcttta 600
 aaaaangaga atcacttgg atggaaatga agganaggaa aaggcntgat ntngatngcn 660
 gggaaanagg ttccatnggt nncctttggn anccgannct tnccttctn atccccntnc 720
 cntccctann ncctnnttn ttaaaaaag 749

<210> 14
 <211> 794
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n is a, g, c, or t

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 cattttgcaa ggcattgaaa aatacataac tgagaataga aaagttcaga tcgagggtcag 180
 gaacagatgg aacaggggtcg accgggtcgac cggtcgaccc tagagaacca tcagatgttt 240
 ccaggggtgcc ccaaggacct gaaatgaccc tgtgccttat ttgaactaac caatcagttc 300
 gcttctcgct tctgttcgcg cgcttctgct ccccgagctc aataaaaagag ccacacaacc 360
 ctcaactcggg gcgccagtcc tccgattgac tgagtcgccc gggtagccgt gtatccaata 420
 aaccctcttg cagttgcac cgacttgtgg tctcgctgtt ccttgggagg gtctcctctg 480
 agtgattgac taccgcgtcag cgggggtctt tcagtagccc ttcctttgta gcaaagacag 540
 acagatgggtg atccaagaga tacgcaagaa gaggaccgtg tgtgtaatgg ttgagctcta 600
 aaaaagagaa atcacttggg tggaaatgaa ggagaggaaa aggctgatgt ggatggctgg 660

gaagagggttc gatgggttacc ttggcaaccg agcttccttn ctcattccca tccctncccta 720
gtccttggttc tttaaaaaga tttntttnt aatgtccctt nccctccaca aggggggcaca 780
agatgttttn aaac 794

<210> 15
<211> 784
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(784)
<223> n is a, g, c, or t

<400> 15
ccttggnnggg naanacggnt aacaattttt acacaggaat tactacaaaa gactctacta 60
agttctcagg gngaacaaaa aattgtatgt gtgcagaacc tgtgatttgc ctgcacatag 120
tcaagttctc aatgtatgga tgtcccgccc caggctacca tactccagcc ctcaagggtgt 180
gctatacctt gcctgatttt ctagtcttcc aaattcttct atgtgtgccg tggggagggg 240
gtttgtgcat atatggctga gagaaaggat atacctgtgg caggaggtga gctgggtgaac 300
aaacggggagg atgccaaccc aggttactta attggttaat ttcattcacct ggagagtctc 360
ctgtcattga. tctttctgct gagactagaa attatgggga ggcttagacc tgaggctttg 420
agtcaggcaa agaggcaaga tgttcaggag actgtttctca ttcgaggcag aagtgtgggt 480
ttgttagtat aggtaacatg cacttaggcc agacgtggta gctcatgcct gtaatcccag 540
cactttggga ggctgaggca ggaggatcac ctgaggtcag gagttttgag accagcctgg 600
ccaatatggg ggaaaacctg tctctactaa aaagtacaaa aattaaccgg gncgtnngng 660
gcaggnnntc tgtaatacta nnctacttgg gngntgnag gcaanaaaat cantttgaac 720
ctnggnaggg gggngnttgc aatnnnccna aaaanatgcc cnntggncct ttaaccntgg 780
gngn 784

<210> 16
<211> 757
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(757)
<223> n is a, g, c, or t

<400> 16

tcctgggccc ncttgccaaa ccttcagggtg gggctctttca ctacaagata gtacaacagg 60
acatttttta aaacctcaaa catcaccaaa atttctaagt gcaagtttat ttttattttt 120
tttttttttt ttttgagaca gagtctcgct ctgtcaccca ggctagagtg cagtggcatg 180
atcttggctc actgcaacct ccacctccca ggttcaagtg attctcttgc ctcagcctcc 240
caagtagcta gtattacaga cgctgccac cagcccggt taatttttgt acttttagta 300
gagacagggt tcaccatatt ggccaggctg gtctcaaact cctgacctca ggtgatcctc 360
ctgcctcagc ctcccaaagt gctgggatta caggcatgag ctaccacgtc tggcctaagt 420
gcatgttacc tatactaaca aaaccacact tctgcctcga atgagaacag tctcctgaac 480
atcttgcctc tttgcctgac tcaaagcctc aggtctaagc ctccccataa tttctagtct 540

tgggttggca tcctcccggt tgttcaccag ctcacctnct gncacaggta tatncttttt 660
tctnagccat atatgccc aaacccctnc ccacgnaca catngaagaa ntnnggaaga 720
ctngaaaatc aggccagggt tnngcccacc ttngggg 757

<210> 17
<211> 783
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(783)
<223> n is a, g, c, or t

<400> 17
annaacttga atgaccctc tngccaaatc cttagggggg ggtccttcac tacaagatag 60
tacaacagga catttttttt aacctnaaac attaccacaa atttctaagt gcaagtttat 120
ttttattttt tttttttttt ttgagacaga gtctcgctct gtcacccagg ctagagtgca 180
gtggcatgat cttggctcac tgcaacctcc acctcccagg ttcaagtgat tctcttgcct 240
cagcctccca agtagctagt attacagacg cctgccacca cgcccgggta atttttgtac 300
ttttagtaga gacaggtttc accatattgg ccaggctggt ctcaaactcc tgacctcagg 360
tgatcctcct gcctcagcct cccaaagtgc tgggattaca ggcatgagct accacgtctg 420
gcctaagtgc atgttaccta tactaàcaaa accacacttc tgcctcgaat gagaacagtc 480
tcctgaacat cttgcctctt tgcctgactc aaagcctcag gtctaagcct ccccataatt 540
tctagtctca gcagaaagat caatgacagg agactctcca ggtgatgaaa ttaaccaatt 600
aagtaacctg ggttggcatc ctcccgtttg ttcaccagct cacctcctgc cacagggtata 660
tcctttctct cagccatata tgcacaaacc ccctnccac ggcacacata gaagaatttg 720

gaagactaga aaatcaggca nggtatagca caccttgag ggctggagta tggtagcctg 780
ggc 783

<210> 18
<211> 770
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(770)
<223> n is a, g, c, or t

<400> 18
tccgggnncc gcttgccaaa ccttcagggtg gggctctttca ctacaagata gtacaacagg 60
acattttttta aaacctcaaa catcaccaaa atttctaagt gcaagtttat ttttattttt 120
tttttttttt ttgagacaga gtctcgctct gtcacccagg ctagagtga gtggcatgat 180
cttggtcac tgcaacctcc acctcccagg ttcaagtgat tctcttgct cagcctccca 240
agtagctagt attacagacg cctgccacca cgcccggtta atttttgtac ttttagtaga 300
gacaggtttc accatattgg ccaggctggt ctcaaactcc tgacctcagg tgatcctcct 360
gcctcagcct cccaaagtgc tgggattaca ggcattgagct accagctctg gcctaagtgc 420
atgttaccta tactaacaaa accacacttc tgcctcgaat gagaacagtc tcctgaacat 480
cttgctcttt tgcttgactc aaagcctcag gtctaagcct ccccataatt tctagtctca 540
gcagaaagat caatgacagg agactctcca ggtgatgaaa ttaaccaatt aagtaacctg 600
ggttggcatc ctcccgtttg ttcaccagct cacctnctgc cacagggtata tcctttttct 660
tagccatata tgcacaaacc cccttcccac ggnacacata gaaaaatttn ggaagactag 720
aaaatcaggc agggtntagc acaccttngn gggctnngag tntnggtanc 770

<210> 19
<211> 774
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(774)
<223> n is a, g, c, or t

<400> 19
tccgggmcnc gcttgccaaa ccttcagggtg gggctctttca ctacaagata gtacaacagg 60
acattttttta aaacctcaaa catcaccaaa atttctaagt gcaagtttat ttttattttt 120
tttttttttt ttgagacaga gtctcgctct gtcacccagg ctagagtga gtggcatgat 180

cttggctcac tgcaacctcc acctcccagg ttcaagtgat tctcttgct cagcctccca 240
 agtagctagt attacagacg cctgccacca cgcccggta atttttgtac ttttagtaga 300
 gacaggtttc accatattgg ccaggctggt ctcaaactcc tgacctcagg tgatcctcct 360
 gcctcagcct cccaaagtgc tgggattaca ggcattgagct accacgtctg gcctaagtgc 420
 atgttaccta tactaacaaa accacacttc tgctcgaat gagaacagtc tcctgaacat 480
 cttgcctctt tgcctgactc aaagcctcag gtctaagcct ncccataatt tctagtctca 540
 gcagaaagat caatgacagg agactctnca ggtgatgaaa ttaaccaatt aagtaacctg 600
 ggttggcatc ctcccgtttg ntcaccagnc tnacctnctg ncacaggnat atnctttnt 660
 ttnagccata tntgcacaaa cccctnccc acggnacaca tagaaaaant tnggnagact 720
 ngaaaattca ggncagggnt tagcncnccc ttgggggnnt ggnntntngg aacc 774

<210> 20
 <211> 914
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(914)
 <223> n is a, g, c, or t

<400> 20
 tggggntncc ggtatcgccg ctcccgattc gcagcgcac gccttctatc gccttcttga 60
 cgagttcttc tgagcgggac tctgggggtc gaaatgagct agcccttaag taacgccatt 120
 ttgcaaggca tggaaaaata cataactgag aatagaaaag ttcagatcga ggtcaggaac 180
 agatggaaca gggtcgaccg gtcgaccggt cgaccctaga gaaccatcag atgtttccag 240
 ggtgccccaa ggacctgaaa tgaccctgtg ccttatttga actaaccaat cagttcgctt 300
 ctcgcttctg ttcgcgcgct tctgtcctcc gagctcaata aaagagccca caaccctca 360
 ctgggggcgc cagtctccg attgactgag tcgcccgggt acccgtgtat ccaataaacc 420
 ctcttgagct tgcatccgac ttgtggtctc gctgttcctt gggaggggtc cctctgagtg 480
 attgactacc cgtcagcggg ggtctttcac tctctgtgta ctggtaccaa cagagcctgg 540
 accagggcct ccagttctc attcagtatt ataatggaga agagagagca aaaggaaaca 600
 ttcttgaacg attctccgca caacagttcc ctgacttgca ctctgaacta aacctgagct 660
 ctctggagct gggggactca gcttttgtat ttctgtgcca gcagcgtagg tggtagcttg 720
 aaacagttct tcngggccag gggacncggc tnaccggggn aggtaagaag ggggcctcca 780
 ggtggggaan aaggggtgagc agnccanccc tgcacgaccc nnaaacntn ttcttagggg 840

gaggggnnca ctgggncatn ncagggccnt cntngnggaa nnggggtttg cgccnagggt 900
 cccaggggt gngc 914

<210> 21
 <211> 1604
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(1604)
 <223> n is a, g, c, or t

<400> 21
 gngtggnatt gtgagcggat aacaatttca cacagnaatt cagtaaatgt tgatgtcaca 60
 ttgggggcag cagctctagc tacattcaac tctacctgaa aactggcttt tagtataagc 120
 catggatcca taacacatag gctagtttac aacaagtaat ttcagcattt ttggataatt 180
 acattccctc cgacaatttc taaggagcct gcatgatact gaactgtgtc agaaaatagg 240
 tgctacagtg aatatgtgat tctaatacagg cttttttact atggaattat agtaaaatgc 300
 actataatca actcatataa attgctctgt gcctatactt atctctaatag aagggaagca 360
 aattgcctta cctgaaatta taaaagaaaa tgattacaaa ggtatggaag tttataggca 420
 tcttataaga cctgatttta ttatgcatta tatagatggc aaaaaattcc tatttatcca 480
 gaatctaaat gaccaggaag ctcaaataaa atgtgtttca tgggaatttg tttttatgtg 540
 ctgaattgca agatcctgaa gggctcttaa gatcatcaaa gaaacatgaa tgctcacaca 600
 actttagagc tgtaagaggt gtggagtcca catggcccaa cctgtccatt tgacagctgc 660
 gtgctgagcc caggggagag catggcttgc ccaatgaatt tgtgacaaag cgagacctgg 720
 rgnnaccttt cagtttccct yataccccac aaatgggtct ttgtgctcta ctaggkgnaa 780
 tggattataa taccacagnc cttttgtgta ttctaantyc ttagaaattt cctaatttat 840
 gcatgggycc mcccctgcta aaatttcagc atacaccatg atatcttaga gctcccttcc 900
 cacttaatct tctctcttag cattttcacg atttaaaaaa atcatctgta ttccccatta 960
 gcaggcaaga ttctaagga caaataactt tttttctttt attcactgct gaatcaccta 1020
 gaacggtacc cagcaciaag tgagaggttg agaaatagtt gttgaatgaa aaaaaaatg 1080
 aatcgtttat gataatcctc aaatcccatc actgcattat cagaataccc cattttttat 1140
 gtcacttatt tgacactttt ccagaacttc tgatgtgcca ggcattttac aaggctgagg 1200
 tgaaccacag agtaataggc ttattttatt cattcagga gcttaattta aggtgatcct 1260
 attattgtaa cctcctaata caatgtcatc tcttatcagc ttaattctgc agactgtagc 1320

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tatgtattac tccctgaagg aattatcttc accttcaacc tgaagttagg actcatgatt 1380
cagcaatctg ctttctggga tcatacaagg gaaattgcaa tctttgtgct tgcttgccaa 1440
agctgagaaa gatggagcag natcaaaaata agcaggattt gccaggcaat tttgacatat 1500
tcttcctctc acatataacc atcacaaagt aatgcatttc ataatgagaa ganccttgca 1560
ctagaagcat acatagtatc acatgnctca tcttctngnt tctn 1604

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<210> 22
<211> 844
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)..(844)
<223> n is a, g, c, or t

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<400> 22
ttggggancc gcttgccaaa cnttcagggtg gggctctttca agaggctctcc agacctaggg 60
gagcatctca gcgtcactcg ctgtccagtt gctgtgatca ggtgcttttg ggtttgtgtg 120
actccagaat ccaactgggccc tgtgtgtcag aagacaaaag ttaaccataa ggcacagaag 180
aaagcctcct gctgaagcca tcgttggccc acatgcattt cagggacaag aaatgaagat 240
cgggactttt caagttgtgc ccaggactca cctgctccca ggagacaaaa ggccacacag 300
cagaggagcc tgaagcccat ggcaggatct cctagcttgg ggctggtgtc tctgtagtaa 360
gcattctgaa gttcctaagc tcccttcttc ctgataggag cattgacctg tgatgtcacc 420
aactgacat actttcccct gcaggccact ccagcccact gtactctttg gcaggcctca 480
ggttctgcta ctccatgtac tattcctgtc ttgcacaggg cagaagctaa aggtgaggag 540

ctgccctgac actgattccc cagcccttgc accccagccc cttcaccctc cactgcccgt 660
gcagcagcag agacactccc tccttgatgc aaactgaggg ctctggcacc cnactctttc 720
agggcaatga tagtctgtgc ttaactctac atggccaggg cccactcagg gaattcttat 780
gaaattatta ttttttnta tttctgggaa acaaagcgat gtatttattt ctgtttnggg 840
gata 844

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<210> 23
<211> 1562
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature

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<222> (1)..(1562)

<223> n is a, g, c, or t

<400> 23

ttttacanaa ctnncccccc tnaatcaaca gaatatacat tttnttnagc cccncaatac	60
acttatttcta aantgnccca cataatngga agtaaaccac tcagcaaata taaagancag	120
aaatcccanc aaactgtctc tcagaccaca gtgcaatcaa attagaactc aggggttaaga	180
atcacactca aaaccacaca actacatgga aactgaacaa cctgctcctg aatgactact	240
gggtaaataa tgaaatgaag gcagaaataa acacgttctt tgaaaccaac tagaaciaag	300
acacaatgta ccagaatctc tgggacacat ttaaagcagt gtgtagaggg aaatttatag	360
cactaaatgc ccacaagaga aagcaggaga gatctaaaat cgacatccta acatcacaat	420
taaaagaact agagaagcaa gagcaaacat attcaaaagc tagcagaaga cgagaaataa	480
ctaagatcag agcagaactg aaggagatag agacacaaaa aaaaccttca aaaattaatg	540
aatgcaggag ctgggtttttt gaaaagatca acaaaatagc cctctagcaa gactaataaa	600
ggataaaaga gggaagaatc aaatagatgc aataaaaatg ataaagggga tatcaccacc	660
aatcccmcmg aaatacaaac taccmtcaga gaatactata aacmcctgta tgcaataaaa	720
ctagaaaatc tagaagaagc agataaattc ctggacacat acaacctccc aagactaaac	780
caggaagaag ttgaatctct gaatagacca ataatagggt ctgaaattga ggcaataatt	840
aatagcctac caaccaaraa aagtcgagga ccagatggat tcacagccgt attctaccag	900
aggtacaaag aggagctggt accattcctt ctgaaactat tctgatcaat gagaaaaaag	960
ggaatcctcc ctaactcatt tatgaggcta gcatcatcct gataccaaaag cctggcagag	1020
acacaacaaa aaaagaaaat ttcaggccaa tatccctgat gaacattgat gtgaaaatcc	1080
tcaatacaat actggcfaat caaaaagctt atccaccacg atcaagtcag cttcatcgct	1140
gggatgcaag tctggttcaa catatgcaaa tcaataaaca aaatccatca cataaacaga	1200
accaatgaca aaaaccacat gattatctca atagatgcag aaaaggcctt caacaatatt	1260
caacagcctt tcatgctaaa aactctcaat aaactagata ttgatggaac atatctcaac	1320
ataataagag ctatttatga caaaccata gccaatatca tactgaatgg gcaaaaactg	1380
gaagcattcc ctttgaaaac cagcacaaga caaggatgcc ctctttcacc acttcgattc	1440
aacctagtat tggaagttct ggccagggcc atcaagcaag agaaagcaat aaggggtatt	1500
caagtaggaa gagaggggnt ttctgtgtga aaangttanc cgctgggnan ccccaanan	1560
aa	1562

<210> 24

<211> 1446

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(1446)
 <223> n is a, g, c, or t

<400> 24
 ttggtactgt cagaccaagt ttactcatat cggatccgag gagcaggcgg gcctgaggcc 60
 gagtcagctg cgcgggcccc cggatcctgg gctgtcatgt aacatcttcc aataaatgtg 120
 atcttgggag gagaccattt tgggccttgg tttccacatc tgcgaaatgt tattatagcc 180
 atgaacactt actgaaagct taccatcatat gccagacaca tcttccaatc aacttatgtg 240
 agttatctca ttttaattttc acaacaatac aaagtagcgg ggaaaacttc tggcttctct 300
 tgaaaactca gaaaatctaa caatgttgag tatgagtcca aaatgtcagc aagaagccag 360
 agctgaatag ggaaggctgt tttagatgag accattagcc acagacctca ccactcttct 420
 tactgtgcta cttatttctt ttatagtacc tgagtgggtc ctgctgcgtg tgggtttgtg 480
 gccctgcat tagatggncc ttnatnatc ctcttcaccc ctgagctttg atgttttttg 540
 ctccatgtca ccttcaccag agtggtcagg ccattcttca atattcwkac ctrggcaaaa 600
 ggtgcatgac tttgaactcc cctagttaag ttaaggcttc takaawgaac angannangc 660
 tttgggagct gaggaagggt gctcactgtg cccataaaa tagagtttca atagacactg 720
 ggtcctctgt ggcctgacct cccctgtgtc agcaacttga gtctcacttg aatggggaaa 780
 gaaagtawtg arangaaakg aacwwkgaam ytcwgaaaca ngacctcttm akanswarcn 840
 aggrrcctms tagtctanyt wrggtaaagc caagtgtgac cctaaggcaa gttacttaac 900
 ctctgcgtct cagtttcttc atctataagt taatgacaac ctctacccca taaggagct 960
 tgaaagaaaa tccaaaaaag aaagaatctc tttgagttgc taatgactct taagtttctg 1020
 gttctagtcc tttgaccatc atgacagtcc tatggtttta cgaaagaact atccatctct 1080
 atttaaaaaa caaaaaacac aaagaccttt tttgcttaag ctaacttggtg ttgggtttca 1140
 tccaccagga agttagagag agaaattact tagagataaa cttacacatt acaaatcctt 1200
 ctgttctgtg tgcttttaaa aatgttcaat ttctaaatgg gcctctggtg aagataatga 1260
 tcacctcatt gatttgttcc caggagaaca gggtaaaatg aagtcctgct gatcacattt 1320
 tctaaatctt ttantccca ttgctttggg aaagtttcta caccagtnat cctnttacag 1380
 cctccctctt tcccatggtt cnttctctgc accaccagga aaggaggaat cccanancag 1440
 tcttgc 1446

<210> 25
 <211> 840
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(840)
 <223> n is a, g, c, or t

<400> 25
 ggaattgnaa gcggnntaaca atttcacaca gnaattctta ttatggtaag ttcctgagat 60
 ttgagatggt ttgttatata acaggggaact gataggctta ttcttcaaga ggagcaaaac 120
 agggatgatt gctattctct tcaatgggtt gaggaagaa gaaattatgt gaacatttat 180
 acactaataa tttattctgt catatttcag tcagattaaa gcaaacagcc aaaaacaagg 240
 acaaagtcca aggtaagaga ctgatgataa gtggcctgtt tacaaggaaa ataagatcac 300
 tagctctact tacagctgat tcagaataac ttcattttta aagcctaaaa ttttacagtc 360
 aagctcttga gtgcaatttc cttaacattt tctaaaccat acagaaaatc ataaagaaac 420
 aatatttctt tgtttgagtt tccttttttag gagttaggtc ttatttttaa aatattttct 480
 agcctgttta ggctcttatt taaaattatc tacttttctc aaagtcttct tcatacttga 540
 gatatccaaa atattgaatg agtgatgtaa actataccag ataaactatg agtctatatt 600
 tttaccctga ttcagtcagt ttccaaggag aactttgaac aactaaaaat gtgtattact 660
 ataatctctc tgaaatattn ctnattaatt ttttgggggn aaaatgagtc attctgagcc 720
 aaaaaaaaaa anggtnacca gacantttcc actnctaact tgnntgggcg attncagcag 780
 attcaanttc cagcatnggn agatncggna gatnnnggnc ctaccatgan cttaccttcc 840

<210> 26
 <211> 861
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(861)
 <223> n is a, g, c, or t

<400> 26
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 acaggaagat gtaggtacct accaatgagc ttaccttccc agtgctctat ataacctcac 120
 ttctatagcc caaagtatta aaaagaagaa aaaataataa ttcaggctta ctatttaaaa 180
 atacagtgat tctggccggg cacggtgggt cacgactgca atcccagcac tttggggaggc 240

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cgaggcgggt ggatcacgtg aggccaggag tttgagacca gcctggccaa tgtggtgaaa    300
ccctgtctcc actaaaaata caaaaattag ctgggcatgg tggcgggccc ctgtaatccc    360
agctactcgg gaggttgaga tgggagaatt gcttggaccc aggaggcaga gcttgacgtg    420
agccaagatt gcaccactgc attccaccct ggggtgacaga gtgagaccct gtctcaaaaa    480
acaaataaaa atacagtgat tctgagaggg cttccctttc cacaccacct cctacttggt    540
tgatagctct catcccattt tcctcaactg ccacatatgg ccaggacttc cacagtgtat    600
taaacatctt ctttggacaa gagaaatttc actgaagcaa tgagtgtaga agttattagc    660
atgaattgaa gactgatgct ggcacacaaa tagggagaca catcaatata atgacctaat    720
gaatctagaa atagcttcan gaantntgga aaagtagatg tgataaaagn tgcatttnaa    780
tcannagca aagtnttaat anaattgaga cacctatgtn gctattngga aacattaang    840
tnggntgcat antngaaact t                                             861

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<210> 27
<211> 875
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)..(875)
<223> n is a, g, c, or t

```

```

<400> 27
ttgggnnacc gcttgccaaa cctacaggtg gggcttttca agaggctctc agacctaggg    60
gagcatctca gcgtcactcg ctgtccagtt gctgtgatca ggtgctttgg ggtttgtgtg    120
actccagaat ccactgggccc tgtgtgtcag aagacaaaag ttaaccataa ggcacagaag    180
aaagcctcct gctgaagcca tcgttggccc acatgcattt cagggacaag aaannnagat    240
cggagacttt caagttgtgc ccaggactca cctgctccca ggagacaaaa ggccacacag    300
cagaggagcc tgaagcccat ggcaggatct cctagcttgg ggctggtgtc tctgtagtaa    360
gcattctgaa gttcctaagc tcccttcttc ctgataggag cattgacctg tgatgtcacc    420
aactgacat actttccct gcaggccact ccagccact gtactctttg gcaggcctca    480
ggttctgcta ctccatgtac tattcctgtc ttgcacaggg cagaagctaa aggtgaggag    540
gactgaacac agtaccaaca taccacatc acaccttact ttcctctgcc cgccctgtcc    600
ctgccctgac actgattccc cagcccttgc caccacagcc ccttcacct ccactgccc    660
tgcagcagca gagacactcc ctccttgatg caaactgagg cctctggcac cccaactctt    720
tcagggaat gatagtctgt gcttaactct acatggccag gcccctcagg aggaattct    780

```


aatatgaatg taaactncag gtgttgncag ctagtgcttc cntggaaaan ccctgttnc 840
agctnctaca catgctctta tctntagctn ganca 875

<210> 28
<211> 901
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(901)
<223> n is a, g, c, or t

<400> 28
ctncttctng gnggtnnnnn nactatntan nnnnategnc tenacantnn nttncnnggg 60
aaaaacctct gtctaacctt acatgaaaaa acccgtttcc aacgaaggcc tctaagaggc 120
caagatatcc acttgacagac ttacaaaaca gagtgtttcc aaactgctga atgaaaagaa 180
aagttaaact ctgtgagttg aacgcacaca tcacagagca gtttctgaga atgattctgt 240
cgggttttta tacgaagata ttcccttttc tgcttttggc ctcaaagcgc ttgaagtctc 300
cacttgcaaa ttgcagaaaa agagtgtttc gaatctgctc tgtctaaaag aaggttcaac 360
tctgtcagtt gaatacacac aacacaagga agttactgag atttcttctg tctagcctta 420
catgaaaaaa acccgtttcc aacgaaggcc tcaaagaggt caaaatatcc acgtgcagac 480
tttccaaaca gagtgtttcc aaactgctga atgaaaagaa aagttaaact ctgtgagttg 540
aacgcacaca tcccagagca gtttctgaga aagattctgt ctagttttta taggaaaata 600
tttccctttc tgcttttggc ctcaaagtgc ttgaaatctc cacttgcaaa ttccacaaaa 660
agagtgtttc aaatctgctc tgtctaaagg aaggttgaac tctgtgagtt gcatacacac 720
aacacaaaga agttactgag aaatcttctg tctagcataa tatgaagaaa tcccgtttcc 780
acgaaggcct caagaggnc ctaatncact ggcaggcttn caacagagtg ttntactgc 840
tctgtgaaag aangntaact ttgnngttga ccaccatnan aagnnttttg naanatttgn 900
n 901

<210> 29
<211> 856
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(856)
<223> n is a, g, c, or t

<400> 29

```

cntttggngg tttaaaangg gcnganatat gcttnacatc nattgggggn aaacctcttg      60
cgtgagtatt caagaaccct ctcttgggat ctggatcggg acccctttcc tgtaacatat      120
gcaaggaaaag aaatgcagag gaatggaact gagccatgga acagacattt ggggttgggc      180
aggaggagtt agcagagaga tctgcatagc tcttatecta cttagcacta gtgctgttca      240
aggtagaact cacagcataa gaattctagc atctgcataa atttgagag caacttgcct      300
tctccttaga tacacgaata tggaaaatgc aatagaagtt gcttatcatg cactcaggtt      360
gagtgaagtt ttatcataat gaagctaaat gaaattccca aattgctctg gtggagagga      420
acgccttgat attccacttg tggaaaaatg gctctatgcc aaaaataaag ttacatcaac      480
ctcagtacag gagaaatcag agtttctgct cacagcagca gcagaggaat catctgcaac      540
acagagactt ttgggttgta tgtaaggcag ccttgctgga tggctcttaa cagggttttg      600
gtagggacat ggtagaggct ggctcctaaa ctcttcaaac gtttcttccc agccctttag      660
ctttgacctc acgtgcagag ttgagttaat tataagcctt atttatgggc acactttcac      720
cattaagttc atacacagcc ccatttttgt gccattcttc actcctatgt ccttttctcc      780
cctaagcaac catgtaaaca tgtagagng gngagcgtg cacacnccat acacacacat      840
tcatttacac atgatt
                                                                                   856

```

<210> 30

<211> 890

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(890)

<223> n is a, g, c, or t

<400> 30

```

cnnnttctgg gggngtannn aactaannna nntnaatncc ncccaatnnn ttcggggggg      60
aaaancccca gnactccata attcncaagn atcacatgna tcacaggaga ggagactggg      120
ggagtcaatg gatagaggat ttataagcca agaaaaaaaa atggagcccc aaactgtgaa      180
atccaagaag ggggtcatgt gaacccaat ttatagccag tttttcagaa gaataagtga      240
caacctacta cttgtgattg gcacttgaag tgggaggcag tcgtgaggga gttaatatgt      300
gggaactaac cctactctag gtagtggtga attgaatcaa atcataggac atctagttgg      360
tgtttgctgg aaaactgggt gttggtggag tgaaaccctt acatattttg gtgatcagag      420
gtgaagtgtt gtgttaagtg gtatgagact gggaaaaaca ctttggtttt tctgtctct      480
cacagaatta aagtttccaa gagaagcatc agaagagtgg aagggtggga ccagcaaacc      540

```

```

acaagcccta ggccccaaac tagggtcaag tggaaaagca gggataata gtgaaatggc      600
cctcctctcc acttctgcag ctccagtgac gctgttccta ctcatgtgca cactggaatg      660
gttgcaggat gaacacgata ctctggaaat ggagacatct tctgaaggta gaggaaactg      720
cagtcttcct gcccccgacc gccactcgca gaggttgagg atgtcagcct nctccaaccc      780
antcttttnt atgggatttt ccttactttg ggggggggact gnaatgntac ctatcttttt      840
tttacaantt ggggggggntc cnccccactt anngaccng nttnnccnng      890

```

```

<210> 31
<211> 732
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)..(732)
<223> n is a, g, c, or t

```

```

<400> 31
attcttttgg gnaccgtcag naccaagttt tactcatatc ggcatcctct ctcggtggct      60
gctgcagcgg ggctgggtgtg ctgcaaccgg gacggagctg agtgagggggc acaatggcag      120
caacctgcag gcaccaaaga gcccccaaga gctgctcagc ggtgcctgat caaagtttgt      180
ctgggccagt gcttgtgcat tgtgtacgct gtgcgacaac caggaaggag agctggggtt      240
tgccatcctc caacgcttct taaataggaa actttttggg tagcacctgg cctagtctct      300
ggaacacaga aggtgctgag tgatgttagt ttcattcgct catcttgtct cttgggcatg      360
gaaaagagtt tacaagtgtc ctttcattat ccatcttgat gtgggaaggt ggggcagggg      420
aagatgagta cccgctctcg ccctttgggtg tgatgtttgt gacgtacatg aggcattgtg      480
gagagtggat cacagcattg gacagactgg atcccttctg gtccacatc actcaggcaa      540
ctctctcttc ccacctgcc cccaaactcc cttncacctc cctccacatg tatectccca      600
cttncttcca ctcatgtaat gagaggtgct gatgagtcac aggaagaggt agccctagat      660
aaccaacaga ctgcaaaaac ggacagtncc ntggatgtct gagccagtgt ttngngcact      720
gcattgactg gc      732

```

```

<210> 32
<211> 672
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

<222> (1)..(672)
<223> n is a, g, c, or t

<400> 32
tttgnaacc gtcagaccaa gtttactcat atcggatccc aggagacacg ctccaagggc 60
tgggtgggaa aagccccaga aaggggaggg ctgcggggag tgagaatcgg gatggacctc 120
acagacgaca aacagatgga caaaaagctt ctctccctgc cgctccctcc ccgccaccaa 180
ctccagcccc tctgtctcca tcccccttct ctgtctgtcc tgtctgaatc tctgaatctc 240
tgctgttttn tttttctctc tatgaatcac agcgtttcag agcctctgag agaaaaatgg 300
gaaaagaaga cagagatgat agaaaatgca gagtgtgctg gtgtgtgtgt gtgtgtgcat 360
gtgtatgctg gcgtgtgtgt gtgtgtctgt gcatgctgtc acccagcatg aagtctggctc 420
tggagaatgt aactagggag ggaggaagag aggggacgag agaagcagag gatgaacaaa 480
gagactttcg aagctcatag gaaaaagcct gggaggcaac agcagcaggg acacgcatat 540
gccgcacacc cctacacaca ccacacacca cacaccacac acaccctgca tgcaccctgg 600
agacatgcc cagactccag gcgggagggg tggagcaggg ggtgtgaaat atggttggtt 660
gggttggtt tg 672

<210> 33
<211> 770
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(770)
<223> n is a, g, c, or t

<400> 33
nttttgnant gtnccgngnt aacaatttca cacagnaatt cattttaacg ttgtacatat 60
ttattataca agaaatattt tttccatcaa aaagtactca ttcaaaaaat atttaattcta 120
gaatagagat tataaatttt taacttaatt ttattttttt cttaaggaaa actctaagat 180
atcattacca ttttcaaaac tgtcaagtag tggatgaatga cacttcttat atgttaattt 240
ttaaaagaat atttctaaca cacattctta atggagaatt atatcttata cagaatgata 300
cattctaagg gtgatgttta tgaaagaaat ttaagcttgg ttaacatgct tagtaaaatt 360
ttttaatata aataaaattc agagtatatg gtgtgaagtg agttatatgg tgcaaatact 420
attttaattc ttgaacactt ccacaaaatt agcttgtaaa ataaaattaa acccacactg 480
agatgctaga ttgcagatg aatcattcat ttttttacat ttctttttat ttctctaact 540
aaattatatg acagaaggca agggatcatg ttaattcatt gttgtattct ttatatatta 600

aatataagct cctcaataaa tattatggaa aaaatgaaca aacacttcac attttattgt 660
 tttctatatt tttcaagggt tttattaatt cttcatgtgc tttgtgactt tattttctcc 720
 aaagaaattc ttcttgaaat gaaaagttca caanagttag gataactgga 770

<210> 34
 <211> 777
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(777)
 <223> n is a, g, c, or t

<400> 34
 nttttgnatt gtngcgcggn taacaatttt cacacagnaa ttcttttgtc aagaattata 60
 agaagaaatc ccgtttccaa cgaaggcctc aaagagttcc aaatatccac ttgcacactg 120
 cacaaactaa gtctttccaa actgctctat gcaaagaaat gttcaactct gtgagtttaa 180
 tacacacatc acaaagcagt ttctgagaat gatactgtct agtttttata cgaagatatt 240
 tccttttgta ccattggcct catactgcta gaattttcca cttgcaaatt ccacaaaaag 300
 agtgtttcca atccgctctg tctaaaggaa ggttcaactc tctgatttga atacatacat 360
 caatataaaa cgtagattgt cacttcaaga aaatacctgc cttatacaga actaagtggc 480
 tgtttcaagt aaaaatgggt ttccatgaaa aagctgctag ttcagctggc aactcaaaca 540
 atggcacaag tgccttatgc cattttctatt ttatcacaca tattaaaaac ctggccagca 600
 cgggtggctca tgcctgtaat tccagcattt tggnaaggcc gaggcaggtg gatcatttga 660
 ggccagnagt tcaagacang cctggccaac atagcaaaac ccccatTTTT actaaaatac 720
 aaaattagcc aggcntgggg gcgcgtgcct gtantccnnc ttctcgggag gctgagg 777

<210> 35
 <211> 799
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(799)
 <223> n is a, g, c, or t

<400> 35
 tnnttttggg gtganecggg ntaacaattt tacacaggaa ttctagggtt ggttcatggt 60
 ttgagacttg agagtggaca ggtgcctagt tagacctgct ctggatgtgg aggtgtctgg 120

tgattagaat gactctttgt atatctgttc cctctttaat tgcttccttt taacctcaag 180
 attaggcttt tattgcataa taaaatgcat atgagccatt cagttttact ccattacctc 240
 tctggcttag aatgaactat cagtagaatt aacaaaaatt gcatcataga gttggagaat 300
 tgccaccaag gaagtgttct agccatacta cagaaaagat tctcccatg ggattacttc 360
 tcagtagaat tcagcaacca attcctgggtg aatctatcca agcagagaaa tgaaaacata 420
 tattcactaa aagacttgaa cacaaatgct catagcagcc ttaatcaaaa tagagaaaaa 480
 ctggaaacat ttcaaattgc tatcaactga tcaatatata agcaaaatat ataaagcatt 540
 tgcagacaat aaaaaacaaa atattgatat atactaaaac atggnatgaa cctcaaagcc 600
 actatactag atgagagatg tcagacacaa acctactgta tttgcaagat gccatttact 660
 tgaaaaatcc agaaaagtcg catttacaga gacagtaaaa cagataagtg ggctgcctgc 720
 ggctgggggg ttgnaaaagc nattttgctg caaatgaact tanggaaatt ttttttgngg 780
 gggggngat anaaaattn 799

<210> 36
 <211> 417
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(417)
 <223> n is a, g, c, or t

<400> 36
 ancttggtaa ctgtcagnac caagatttac tcatatcgga tccccaggaa tactattctt 60
 taaagactat caatattcta caaagggaaa ttagagttct caattgtgaa cggaaaggaa 120
 catcaatggg catgacctaa gacctcttc tacacagtta aacaacaatt tcacaagata 180
 tgatttaaga gaaagctttc agggacgcct gggtggtca gtggttgagc gtctgccttc 240
 cgctcagggg gtgatcctgg agttccggga ctgagtcctc atggggctcc ctgcatggag 300
 cctgcttctc cctctgccta tgtctctgcc tctctctgtg tctcatgaat aaataaataa 360
 agnncattatt ttttttaaga ttntatttat ttatncatga nagagagaga gaggcng 417

<210> 37
 <211> 434
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(434)

<223> n is a, g, c, or t

<400> 37

tggttaactcg tcagnaccaa gatttactca tateggcatc cccaggaata ctattcttta	60
aagactatca atattctaca aagggaaatt agagttctca attgtgaacg gaaaggaaca	120
tcaatgggca tgacctaga cctccttcta cacagttaaa caacaatttc acaagatatg	180
atttaagaga aagctttcag ggacgcctgg gtggctcagt ggttgagcgt ctgccttccg	240
ctcagggtgt gatcctggag ttccgggact gaggccaca tggggctccc tgcattggagc	300
ctgcttctcc ctctgcctat gtctctgcct ctctctgtgt ctcatgaata aataaataaa	360
gtccttattt tttttaagat tttatttatt tattcatgag agagagagag agncngngnc	420
ntnggcngng ggng	434

<210> 38

<211> 1425

<212> DNA

<213> Canis familiaris

<220>

<221> misc_feature

<222> (1)..(1425)

<223> n is a, g, c, or t

<400> 38

cnggncggng angattntng tcgnnaccca tggcgaatgc ctggctngcc gaatattcat	60
ggtggaaaat ggcnngcttt tctggattca tcgnactgtg nccggctggg tgtggcggac	120
ccgctatnca gnacatagcg ttgggctacc cngtgataat gctgaagagc ttggcggncg	180
aatgggctga ccgcttcttc gtgskkkanc ggtatcgccg ctcyccgatt cgcagcgc	240
cgccttctat cgccttcttg acgagttctt ctgagcggga ctntctgggt tcgaaatgag	300
ctagccctta agtaacgcca ttttgcaagg catggaaaaa tacataactg agaataaaaa	360
agttcatctc tgctgtcttt ggccattctc tctaggcatc tgctcatgtg gaggcataag	420
aaaatattga catgcttcac attacatttt cagagtatgt tattcatgta atttatttgt	480
aaaatctacc aatacaattt ccccccaatc aagtaaaact aggtaaaaag atctctgcaa	540
agattagctg aggaagaaac atatgtgagt agaatacaga tgtaagagc tgacagggtta	600
gcagatagca tgcccatgat ttttgtgggt ttggccctt tgttgaagct aaatcttaca	660
gagaggccca accctagagg taaaatgatt aaaacagatg tgctgcagtt ggcggggagg	720
gtgctgcgcc aggggaagcc caagactgct gctggctgcc ttccctcttg aytattccc	780
atgtctcatt tgaaaaccaa tagttgaaaa actctcaatt ttcagatgag aacgaaaaca	840
aaaatgcaaa gaaggcaaat gattcaytca aarwtactca gtgaatkrga sccawsatgt	900

```

gggaatacaa ctctggcett ctgtttctga atctagtggg atttccaggc tcacaggaag      960
cttcctgtac cttgctccac tgtgtgtgtt tttggatggc cctgggtgttt gattacctyt    1020
cgtggcaggc ccaacagccc ttgctaaggc acagactgca tatttgctga tccctgaggn     1080
ggaaagctgt gattcagact ttgaggtcta agaattgcag acttagtttc tagtctcccg     1140
atgaaactgc taatctgggt gccagtgggt tttctgctac acggacacct gcccacacag     1200
catgattaga aattataatg atgacggcga tgagtcttcc aggacaccta cgttcttttg     1260
aagatatttc tgctaatact ctctaccaga atcagttgga gaactttttt tagttttttt     1320
tttttttttt taatttcccc ctttctaagt caagtaaaaa tactagttta attnctgggtg    1380
tagggtaatg atttgcctc accattactg atgtgtcatt ttttg                        1425

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```

<210> 39
<211> 674
<212> DNA
<213> Canis familiaris

```

```

<220>
<221> misc_feature
<222> (1)..(674)
<223> n is a, g, c, or t

```

```

<400> 39
caaaaaatga cacatcagta atggtgagga caaatcatta ccctacacca gnaattaaac      60
tagtattttt acttgactta gaaaggggga aattaaanaa aaaaaaaaaa aactaaaaaa    120
agttctccaa ctgattctgg tagagacgat tagcagaaat atcttgcaaa gaacgtaggt     180
gtcctggaag actcatcgcc gtcattatta taatttctaa tcatgctgtg tgggcagggt     240
tccgtgtagc agaaacacca ctggcaccca gattagcagt ttcattcgga gactagaaac     300
taagtctgca attcttagac ctcaaagtct gaatcacagc tttccctca gggatcagca     360
aatatgcagt ctgtgcctta gcaagggctg ttgggcctgc cagagagggt aatcaaacac     420
cagggccatc caaaaacaca cacagtggag caaggtacag gaagcttctt gtgagcctgg     480
aaataccact agattcagaa acagaaggcc agagttgtat tcccacatga tggctctaata    540
tactgagta actttgaatg aatcatttgc cttctttgca tttttgtttt cgttctcatt     600
tgaaaattga gagtttttca actattgggt ttcaaagtag acatgggata agatcaggag     660
ggaaggcagc cagc                                                         674

```

```

<210> 40
<211> 666
<212> DNA
<213> Canis familiaris

```


<220>

<221> misc_feature

<222> (1)..(666)

<223> n is a, g, c, or t

<400> 40

```

cccatgagca aaaaatgaca catcagtaat ggtgaggaca aatcattacc ctacaccagn      60
aattaaacta gtatTTTTac ttgacttaga aaggggggaaa ttaaaaaaaaa aaaaaaaaaa    120
ctaaaaaaaaag ttctccaact gattctggta gagacgatta gcagaaatat cttgcaaaga    180
acgtaggtgt cctggaagac tcatcgccgt catcattata atttctaate atgctgtgtg     240
ggcaggtgtc cgtgtagcag aaacaccact ggcaccaga ttagcagttt catcgggaga      300
ctagaaacta agtctgcaat tcttagacct caaagtctga atcacagctt tcccctcagg     360
gatcagcaaa tatgcagtct gtgccttagc aagggtgtgt gggcctgccg cgagaggtaa     420
tcaaacacca gggccatcca aaacacaca cagtggagca aggtacagga agcttcctgt      480
gagcctggaa ataccactag attcagaaac agaaggccag agttgtattc ccacatgatg     540
gctctaattc actgagtaac tttgaatgaa tcatttgcct tctttgcatt tttgttttcg     600
ttctcatctg aaaattgaga gtttttcaac tattggtttt caaatgagac atgggataag     660
atcagg
                                         666

```

<210> 41

<211> 603

<212> DNA

<213> Canis familiaris

<220>

<221> misc_feature

<222> (1)..(603)

<223> n is a, g, c, or t

<400> 41

```

cccatgagca aaaaatgaca catcagtaat ggtgaggaca aatcattacc ctacaccaga      60
attaaactag tatttttact tgacttagaa aggggggaaat taaaaaaaaa aaaaaaaaac    120
taaaaaaagt tctccaactg attctggtag agacgattag cagaaatate ttgcaaagaa    180
cgtaggtgtc ctggaagact catcgccgtc atcattataa tttctaata tgctgtgtgg     240
gcaggtgtcc gtgtagcaga aacaccactg gcaccagat tagcagtttc atcgggagac      300
tagaaactaa gtctgcaatt cttagacctc aaagtctgaa tcacagcttt cccctcaggg     360
atcagcaaat atgcagtctg tgccttagca agggctgttg ggcctgccac gagaggtaat     420
caaacaccag ggccatccaa aaacacacac agtggagcaa ggtacaggaa gcttcctgtg     480

```

agcctggaaa taccactaga ttcagaaaca gaaggccaga gttgtattcc cacatgatgg 540
 ctctaattca ctgagtaact ttgaatgaat catttgcctt ctttgcattt ttgttttcgt 600
 tct 603

<210> 42
 <211> 749
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(749)
 <223> n is a, g, c, or t

<400> 42
 ggtnactgtg cgnaccagtt tactncatat ncggntnccc atgagcaaaa aatgacacat 60
 cagtaatggt gaggacaaat cattacccta caccagnaat taaactagta tttttacttg 120
 acttagaaaag ggggaaatta aaaaaaaaaa aaaaaaacta aaaaaagttc tccaactgat 180
 tctggtagag acgattagca gaaatatctt gcaaagaacg taggtgtcct ggaagactca 240
 tcgccgtcat cattataatt tctaatactg ctgtgtgggc aggtgtccgt gtagcagaaa 300
 caccactggc acccagatta gcagtttcat cgggagacta gaaactaagt ctgcaattct 360
 tagacctcaa agtctgaatc acagctttcc cctcagggat cagcaaatat gcagtctgtg 420
 ccttagcaag ggctgttggg cctgccacga gaggtaatca aacaccaggg ccatccaaaa 480
 acacacacag tggagcaagg tacaggaagc ttctgtgag cctggaaata ccactagatt 540
 cagaaacaga aggccagagt tgtattccca catgatggct ctaattcact gagtaacttt 600
 gaatgaatca tttgccttct ttgcattttt gttttcgttc tcatctgaaa attgagagtt 660
 tttcaactat tggttttcaa atgagacatg ggataagatc aggaggggaag gcagccagca 720
 gcagtcttgg gcttcccctg gcgcagcac 749

<210> 43
 <211> 1778
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(1778)
 <223> n is a, g, c, or t

<400> 43
 gkggtagnn rcggtaaaca atttncacac agcaattncc cctgtgnaaa ctgccttgac 60
 ttggtgcctt ttttgagggt gtggagttgt ttccactttg acaaattttt atatttctcc 120

catcctaatt ggactaattt gcttttatat ctcttctgtg gttattttgt taatcgtatt	180
ttaggaaagt cacctatttc aaattgattt gcatggagct aaataatttc ttccaatttt	240
ttcatttcct ttgtgtttat ggttatttct acattattag tgaaagtttt gtgggtttgt	300
gttttagttc tctatctcct cttttgatta gtttcacaga gtttagttgt tattttttca	360
gaaaacagct cttgcactta tttatcggct ctactgttct taatttgctc ctaaaaattg	420
tcaataatat gtttcttttg ctttgcccg gctcattttg ttgtttttct aattgtttga	480
gcttgactct taattcatct atttttgttt ctgctttttt gttaatgtaa atttaaaaaa	540
tgcgagatcc aattagaata agcctcaccg gacaagaacc tgtctgtgca cttcgagact	600
accataatgc ctatcacata gcagggtgctt aagcaaaatt tttgtatgaa taaataaacc	660
cctatgaaat aattatggga tttgtgtgac agccctcggt cttctctgct gtctttggsc	720
aytctctcta ggcatctgct catgtggagg cataagaaaa tattgacatg cttcacatta	780
cattttcaga gtatgttatt catgtattta tttgtaaaat ctaccaatac aatttcccc	840
caatcaagta aaactaggta aaaagatctc tgcaaagatt agctgaggaa gaaacatatg	900
tgagtaraat caraatgtta agagctrmca gggtarcaga tagcatgccc atgatttttg	960
tgggkttggc ccctttgttg aagctaaatc ttacagagag gcccaaccct agaggtaaaa	1020
tgattaaaac agatgtgctg cagttggcgg ggagggtgct gcgccarggg aagncccaag	1080
actgctgctg gctgccttcc ctcctgac ttatcccatg tctcatttga aaaccaatag	1140
ttgaaaaact ctcaattttc agatgagaac gaaaacaaaa atgcaaagaa ggcaaatgat	1200
tcattcaaag ttactcagtg aattagagcc atcatgtggg aatacaactc tggccttctg	1260
tttctgaatc tagtgggtatt tccaggctca caggaagctt cctgtacctt gctccactgt	1320
gtgtgttttt ggatggccct ggtgtttgat tacctctcgt ggcaggccca acagcccttg	1380
ctaaggcaca gactgcatat ttgctgatcc ctgaggggaa agctgtgatt cagactttga	1440
ggctcaagaa ttgcagactt agtttctagt ctcccgatga aactgctaatt ctgggtgcca	1500
gtgggtgtttc tgetacacgg acacctgccc acacagcatg attagaaatt ataattgatga	1560
cggcgatgag tcttccagra cacctacgtt ctttgcaaga wtttctgct aatcgnntnc	1620
tctaccagaa tcagttggag aacttttttt agtttttttt tttttttttt aatttcccc	1680
tttctaagtc aagtaaaaaat actagtttaa ttctgggtgta gggtaatgat ttgtcctcac	1740
cattacttga aagacccccc ctgtaggttg gcaagcgg	1778

<210> 44
 <211> 868
 <212> DNA

<213> Canis familiaris

<220>

<221> misc_feature

<222> (1)..(868)

<223> n is a, g, c, or t

<400> 44

ttcctgagac ngcttgccaa acctacaggt ggggtctttc aagtaatggt gaggacaaat	60
cattacccta caccagaatt aaactagtagt ttttacttga cttagaaagg gggaaattaa	120
aaaaaaaaa aaaaaactaa aaaaagttct ccaactgatt ctggtagaga cgattagcag	180
aaatatcttg caaagaacgt aggtgtcctg gaagactcat cgccgtcatc attataattt	240
ctaatacatgc tgtgtgggca ggtgtccgtg tagcagaaac accactggca cccagattag	300
cagtttcatc gggagactag aaactaagtc tgcaattctt agacctcaaa gtctgaatca	360
cagctttccc ctcagggatc agcaaataatg cagtctgtgc cttagcaagg gctgttgggc	420
ctgccacgag aggtaatcaa acaccagggc catccaaaaa cacacacagt ggagcaaggt	480
acaggaagct tctgtgagc ctggaaatac cactagattc agaaacagaa ggccagagtt	540
gtattcccac atgatggctc taattcactg agtaactttg aatgaatcat ttgccttctt	600
tgcatttttg ttttcgttct catctgaaaa ttgagagttt ttcaactatt ggttttcaaa	660
tgagacatgg gataagatca ggaggggaagg cagccagcag cagtcttggg cttccctggc	720
gcagcaccnt cccgccaact gcagcacatc tgtttaatca tttaacctct aggntggggc	780
tttctgtaag atttagcttn acaangggcc aaacccaaaa aatcatgggc atgcttctgc	840
tacctgncan tntaacattt gattntac	868

<210> 45

<211> 1237

<212> DNA

<213> Canis familiaris

<220>

<221> misc_feature

<222> (1)..(1237)

<223> n is a, g, c, or t

<400> 45

ggtatcgccg ctcccgattc gcaccgcac gccttctatc gccttcttga cgagttcttc	60
tgagcgggac tctgggggttc gaaatgagct agcccttaag taacgccatt ttgcaaggca	120
tggaaaaata cataactgag aatagaaaag ttcatctctg ctgtctttgg ccattctctc	180
taggcatctg ctcatgtgga ggcataagaa aatattgaca tgcttcacat tacattttca	240
gagtatgtta ttcatgtatt tatttgtaaa atctaccaat acaatttccc cccaatcaag	300

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taaaactagg taaaaagatc tctgcaaaga ttagctgagg aagaaacata tgtgagtaga      360
atcagaatgt taagagctga caggtagca gatagcatgc ccatgatttt tgtgggttg      420
gcccccttgt tgaagctaaa tcttacagag aggcccaacc ctagaggtaa aatgattaaa      480
acagatgtgc tgcagttggc ggggaggggtg ctgcgccagg ggaagcccaa gactgctgct      540
ggctgccttc cctcctgac ttatcccat gtctcatttg aaaaaccaat agttgaaaaa      600
ctctcaattt tcagatgaga acgaaaacaa aaatgcaaag aaggcaaattg attcattcaa      660
agttactcag tgaattagag ccatcatgtg ggaatacaac tctggccttc tgtttctgaa      720
tctagtggta tttccagggt cacaggaagc ttctgtacc ttgctccact gtgtgtgttt      780
ttggatggcc ctggtgttg attaccttc gtggcaggcc caacagccct tgctaaggca      840
cagactgcat atttgctgat ccctgagggg aaagctgtga ttcagacttt gaggtctaag      900
aattgcagac ttagtttcta gtctccgat gaaactgcta atctgggtgc cagtgggtgtt      960
tctgctacac ggacacctgc ccacacagca tgattagaaa ttataatgat gacggcgatg     1020
agtcttcag gacacctacg ttctttgcaa gatatttctg ctaatcgtct ctaccagaat     1080
cagttggaga acttttttta gttttttttt ttttttttta atttccccct ttctaagtca     1140
agtaaaaata ctagttaat tctgggtgtag ggtaatgatt tgtcctcacc attactgatg     1200
tgtcattttt tgctcatggg atccgatatg agtaaac                                1237

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<211> 703
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (1)..(703)
<223> n is a, g, c, or t

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<400> 46
ccctgtgaaa ctgccttgac ttggtgcctt ttttggaggg gtggagttgt ttccactttg      60
acaaattttt atatttctcc catcctaatt ggactaattt gcttttatat ctcttctgtg     120
gttattttgt taatcgtatt ttaggaaagt cacctatttc aaattgattt gcatggagct      180
aaataatttc ttccaatttt ttcatttcct ttgtgtttat ggttatttct acattattag      240
tgaaagtttt gtggttttgt gttttagttc tctatctcct cttttgatta gtttcacaga      300
gtttagttgt tattttttca gaaaacagct cttgcactta tttatcggct ctactgttct      360
taatttgctc ctaaaaattg tcaataatat gtttcttttg ctttgcccgg gctcattttg      420
ttgtttttct aattgtttga gcttgactct taattcatct atttttgttt ctgctttttt      480

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gttaatgtaa atttaaaaaa tgcgagatcc aattagaata agcctcaccg gacaagaacc 540
 tgtctgtgca ctctgagact accataatgc ctatcacata gcaggtgctt aagcaaaatt 600
 tttgtatgaa taaataaacc cctatgaaaa aattatggga tttgtgtgac agccctcggt 660
 cttctctgct gnetttggcc attctctcta ggcattctgct cat 703

<210> 47
 <211> 304
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(304)
 <223> n is a, g, c, or t

<400> 47
 cttagcttgcc aaacctacag gtggggtctt tcaagtaatg gtgaggacaa atcattaccc 60
 tacaccagaa ttaactagt atttttactt gacttagaaa gggggaaatt aaaaaaaaaa 120
 aaaaaaaact aaaaaaagtt ctccaactga ttctggtaga gacgattagc agaaatatct 180
 tgcaaagaac gtaggtgtcc tggaagactc atcgccgtca tcattataat ttctaatacat 240
 gctgtgtggg caggtgtccg tgtagcagaa acaccactgg nccccagat nagagttttc 300
 ttgg 304

<210> 48
 <211> 735
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(735)
 <223> n is a, g, c, or t

<400> 48
 agcttgccaa acctacaggt ggggtctttc aagtaatggt gaggacaaat cattacccta 60
 caccagaatt aaactagtat ttttacttga cttagaaagg gggaaattaa aaaaaaaaaa 120
 aaaaaactaa aaaaagtctt ccaactgatt ctggtagaga cgattagcag aaatatcttg 180
 caaagaacgt aggtgtcctg gaagactcat cgccgtcatc attataattt ctaatcatgc 240
 tgtgtgggca ggtgtccgtg tagcagaaac accactggca cccagattag cagtttcatc 300
 gggagactag aaactaagtc tgcaattctt agacctcaaa gtctgaatca cagctttccc 360
 cttagggatc agcaaatatg cagtctgtgc cttagcaagg gctgttgggc ctgccacgag 420
 aggtaatcaa acaccagggc catccaaaaa cacacacagt ggagcaaggt acaggaagct 480

tcctgtgagc ctggaaatac cactagattc agaaacagaa ggccagagtt gtattccac 540
 atgatggctc taattcactg agtaactttg aatgaatcat ttgccttctt tgcatttttg 600
 ttttcgttct catctgaaaa ttgagagttt ttcaactatt ggttttcaaa tgagacatgg 660
 gataagatca ggagggaagg cagccagcag cagtcttggg ctttccctgg cgcaaaaccn 720
 tccccgcaac tggag 735

<210> 49
 <211> 1412
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(1412)
 <223> n is a, g, c, or t

<400> 49
 cttcccacct nnnaccntg gnccttaaca gncacnnnc tttggagata gctaactcct 60
 acncattcaa catcagtgnn anggnctctc tccagaaggc ttectcnacc ctttcaattc 120
 ccacttacnt gtaagcctag gatgcctcct ctcagattca gactgggtgn cncagtgttt 180
 aagaacttna gctgtacagc canagagttt gtattggaaa ataactctctg tggttttttg 240
 tcngcatgat ctggagcag ttatttaacc ccctcagtnt agtttcttca tccatataat 300
 ctggcaaatg atagtncnca gtccatacaa ttgtnagcac taaacaaaat aatgtacacg 360
 agcctggcac actgaaggan ccagtgaaa ggtggttggtg attactnaca gtccttctca 420
 ttctctagca tagcaattac cgtgttgctg tccgattttc tgtctgcatg tctacctgca 480
 tgtcggtttg catgcagact atgaactgga agctgaatcc ccagtgcctg gtacaatgtg 540
 agaccccata ncagttcatt gaatgaattc agacattca gtttttccat aaatttcagc 600
 cttcttcaat attttgctcc tattttctag aagtttctga aagagcagct tggaatatgt 660
 cagcaatttc taatttctta gcttttcagt gtgtgtgcgc gtgtgtgcgt gtgtgtttga 720
 tattttctgc tgtggaaacc gctggactta gatgatcagn ctgtgagata caggcaggac 780
 anagataaga agtaggagga gggctncgat gatgaagctt aggcactgaa gcaactcagc 840
 caccaccag gaagcctcag tncctgaar aggtggaccc tkkcasscyg wggatgaacca 900
 ttgtgggcca aagaggcca gtgcatgcat gaggcagacc tccctctaca gggaggcttt 960
 gccctactgg gatttatttc cttgctgctt aaggacctgg ctttgctcct gcctttcctt 1020
 gtccccctca tctgattctc tggccttatt ttggccagca gattgcattt gcctgtccag 1080
 ttaccatat aaatgcattc tcctcctcat gacctcttct cagcctgctg gtctaaggga 1140

ggagctctgt ttcttgatcc tgccctctga ctaaattttc tcttgctgct cttccctttc 1200
 ctgatgattc agtacagaca cctgcccaat tccacttttt ctcttcatct ccaattattt 1260
 ggtgggtcaag actgtttact caaatatgca tctgggttaa tcacgagcca cgactctgac 1320
 taaagtagcc tgattatatg gttctttaag ggatagctga ctttcacaaa cctaagaaaa 1380
 gtttcttaaa gtgggtgttct aagggnctca ca 1412

<210> 50
 <211> 866
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(866)
 <223> n is a, g, c, or t

<400> 50
 tttnnggacn gcttgccaaa cctacaggtg gggctcttca agatctgctg acagtgaagc 60
 taaatctggc ggaagcaaag gattcacttt ctcataatgg attaactcat cctatttgcc 120
 tcttaaaciaa tgggtatttt aaagacagaa gttgaaggaa gtccaagtat ccaattttaa 180
 ggatgcctat tagagcagtt ataagagagt gtctctcttt ctctctcttc tttctttctc 240
 ttggtaggag tatgcaggag gtcatttaaa agccagatag tgatacaaat cacaatgcag 300
 aaaaacatcc ccgtggactc ctccctgtcc tatgtttgac attcttaaaa tctatgtccc 360
 aggtcttgaa atcttttaaat aatctaccat gttctttggc ctgccctggg aaatctattt 420
 cagtaccaga gctatgctgg ttacacacct tttctgactc atgttcccaa gtgattttat 480
 tccagatacg atttggggac agttacgtgt actgttctga tatcttccta aaaggaaatt 540
 attttggaag taaagtcact gataaaatca actcaggaaa atgcactttg taaatattaa 600
 aatataaaca ttattaaagg ccatgctgta aaaataactaa ttgattttcc tgtgtagcag 660
 ttacaataga acaacgatag atctctaagg ggagagtgaaggagacctcaa tttgagaaac 720
 gtgaggcagg aaaagtttca aataattata ttcagagtgn tacctaagtt gttacttaaa 780
 gacattctct acgtaaaana aacaataagg ccaaatgaag gaatgagagt tatgttatcg 840
 cagaaacaan gtaancggnt tntttt 866

<210> 51
 <211> 597
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(597)
 <223> n is a, g, c, or t

<400> 51
 acacagcaat tcattncaat gaactgttat ggggtctcac attgtaccag gcactgggga 60
 ttcagcttcc agttcatagt ctgcatgcaa accgacatgc aggtagacat gcagacagaa 120
 aatcggaacg caacacggta agtgctatgc tagagaatga gaaggactgt cagtaatcac 180
 aaccaccttt cactgggttc cttcagtgtg ccaggctcgt gtacattatt ttgttttagtg 240
 ctcacaattg tatggactgt gtactatcat ttgccagatt atatggatga agaaactaga 300
 ctgaggggggt taaataactc gtccaagatc atgcagacaa aaaaccacag agattatttt 360
 ccaatacaaa ctctctggct gtacagctca agttcttaaa cactggggcca accagtctga 420
 atctgagagg aggcattcta aggcttacag gtaagtggga attgaaaggg ttgaggggaag 480
 ccttctggag gagatgccat tacactgaat gttgaatgag taggagttag ctatctccag 540
 aggggtagtg gctgtgaagg ggcgaggggt agagggtggg aaggggatga tggaagg 597

<210> 52
 <211> 875
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(875)
 <223> n is a, g, c, or t

<400> 52
 cgcttgccaa cctacagggtg gggctcttca agatctgctg acagtgaagc taaatctggc 60
 ggaagcaaag gattcacttt ctcataatgg attaactcat cctatttgcc tcttaaacia 120
 tgggtatttt aaagacagaa gttgaaggaa gtccaagtat ccaattttta ggatgcctat 180
 tagagcagtt ataagagagt gtctctcttt ctctctcttc tttctttctc ttggtaggag 240
 tatgcaggag gtcattttaa agccagatag tgatacaaat cacaatgcag aaaaacatcc 300
 ccgtggactc ctccctgtcc tatgtttgac attcttaaaa tctatgtccc aggtcttgaa 360
 atcttttaaat aatctaccat gttctttggc ctgcctggg aaatctattt cagtaccaga 420
 gctatgctgg ttacacacct tttctgactc atgttcccaa gtgattttat tccagatagc 480
 atttggggac agttacgtgt actgttctga tatcttctta aaaggaaatt attttggag 540
 taaagtcact gataaaatca actcaggaaa atgcactttg taaatattaa aatataaaca 600
 ttattaaagg ccatgctgta aaaatactaa ttgattttcc tgtgtagcag ttacaataga 660

acaacgatag atctctaagg ggagagtgaaggacaccaa tttgagaaac gtgaggcagg 720
 aaaagtttca aataattata ttcaagagtgttacctaagt tgttacttaa agacattttc 780
 tacgtaaaat aaacacataa ggccaaanga agggaaatgag anttangtta tngcaggana 840
 aaaggtaaatt cggntttttt ttgtatccat tgcaa 875

<210> 53
 <211> 612
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(612)
 <223> n is a, g, c, or t

<400> 53
 agcggataac aatttcacac agnaattcat tcaatgaact gttatgggggt ctcacattgt 60
 accaggcact ggggattcag cttccagttc atagtctgca tgcaaaccga catgcaggta 120
 gacatgcaga cagaaaatcg gaacgcaaca cggtaagtgc tatgctagag aatgagaagg 180
 actgtcagta atcacaacca cctttcactg gggttccttca gtgtgccagg ctctgtgtaca 240
 ttattttgtt tagtgctcac aattgtatgg actgtgtact atcatttgcc agattatatg 300
 gatgaagaaa ctagactgag ggggttaaatt aactcgtcca agatcatgca gacaaaaaac 360
 cacagagatt attttccaat acaaactctc tggctgtaca gctcaagttc ttaaactctg 420
 ggccaaccag tctgaatctg agaggaggca ttctaaggct tacaggtaag tgggaattga 480
 aagggttgag ggaagccttc tggaggagat gccattacac tgaatgttga atgagtagga 540
 gttagctatc tccagagggg tagtggctgt gaaggggcca ggggtagagg gtggnaaggg 600
 atgatngaaa gg 612

<210> 54
 <211> 732
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(732)
 <223> n is a, g, c, or t

<400> 54
 agcttgccaa acctacaggt ggggtctttc aagatctgct gacagtgaag ctaaattctgg 60
 cggaagcaaa ggattcactt tctcataatg gattaactca tcctatttgc ctcttaaacaa 120
 atgggtattt taaagacaga agttgaagga agtccaagta tccaatttta aggatgccta 180

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ttagagcagt tataagagag tgtctctctt tctctctctt ctttctttct cttggttagga      240
gtatgcagga ggtcatttaa aagccagata gtgatacaaa tcacaatgca gaaaaacatc      300
cccgtggact cctccctgtc ctatgtttga cattcttaaa atctatgtcc caggctcttg      360
aatctttaaa taatctacca tgttctttgg cctgccctgg gaaatctatt tcagtaccag      420
agctatgctg gttacacacc ttttctgact catgttcnca agtgatttta ttccagatac      480
gatttgggga cagttacgtg tactgttctg atatcttctt aaaaggaaat tatttttgaa      540
gtaaagtcac tgataaaatc aactcaggaa aatgcacttt gtaaataatta aaatataaac      600
attattaaag gccatgctgt aaaaaactaa ttgattttcc tgtgtagcag ttacaataga      660
acacgatgat ctctaagggg agagtgaaag gaccttattt ggtaaccgtg aggcagnaaa      720
gtttcaaata tt                                                              732

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<210> 55
<211> 697
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (1)..(697)
<223> n is a, g, c, or t

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<400> 55
ctagcttgcc aaacctacag gtgggggtctt tcaagatctg ctgacagtga agctaaatct      60
ggcgggaagca aaggattcac tttctcataa tggattaact catcctattt gcctcttaaa      120
caatggggtat tttaaagaca gaagttgaag gaagtccaag tatccaattt taaggatgcc      180
tattagagca gttataagag agtgtctctc tttctctctc ttctttcttt ctcttggtag      240
gagtatgcag gaggtcattt aaaagccaga tagtgataca aatcacaatg cagaaaaaca      300
tccccgtgga ctctccctg tcctatgttt gacattctta aaatctatgt ccaggtctt      360
gaaatcttta aataatctac catgttcttt ggccctgccct gggaaatcta tttcagtacc      420
agagctatgc tggttacaca cttttctga ctcatgttcc caagtgattt tattccagat      480
acgatttggg gacagttacg tgtactgttc tgatatcttc ctaaaaggaa attattttgg      540
aagtaaagtc actgataaaa tcaactcagg aaaatgcact ttgtaaatat taaaatataa      600
acattattaa aggccatgct gtaaaatact aattgatttt cctgtgtagc agttacaata      660
gaacacgata gatctctang gggagagtga aaggact                                697

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<210> 56
<211> 617

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<212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(617)
 <223> n is a, g, c, or t

<400> 56
 tggattgcga gcggataaca atttcacaca gaattcattc aatgaactgt tatgggggtct 60
 cacattgtac caggcactgg ggattcagct tccagttcat agtctgcatg caaaccgaca 120
 tgcaggtaga catgcagaca gaaaatcgga acgcaacacg gtaagtgcta tgctagagaa 180
 tgagaaggac tgtcagtaat cacaaccacc tttcactggg ttccttcagt gtgccaggct 240
 cgtgtacatt attttgttta gtgtccacaa ttgtatggac tgtgtactat catttgccag 300
 attatatgga tgaagaaact agactgaggg ggtaaataa ctcgccaag atcatgcaga 360
 caaaaaacca cagagattat tttccaatac aaactctctg gctgtacagc tcaagttctt 420
 aaacactggg ccaaccagtc tgaatctgag aggaggcatt ctaaggctta caggtaagtg 480
 ggaattgaaa ggggttgaggg aagccttctg gaggagatgc cattacactg aatgttgaat 540
 gagtaggagt tagctatctc cagaggggta gtggctgtga aggggagagg ggtagagggt 600
 ggnaagggga tgaattg 617

<210> 57
 <211> 803
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(803)
 <223> n is a, g, c, or t

<400> 57
 cctgcagcta gcttgccaaa cctacagggtg gggctcttca agatctgctg acagtgaagc 60
 taaatctggc ggaagcaaag gattcacttt ctcataatgg attaactcat cctatttggc 120
 tcttaaacia tgggtatttt aaagacagaa gttgaaggaa gtccaagtat ccaattttaa 180
 ggatgcctat tagagcagtt ataagagagt gtctctcttt ctctctcttc tttctttctc 240
 ttggtaggag tatgcaggag gtcatttaaa agccagatag tgatacaaat cacaatgcag 300
 aaaaacatcc ccgtggactc ctccctgtcc tatgtttgac attcttaaaa tctatgtccc 360
 aggtcttgaa atctttaaat aatctaccat gttctttggc ctgccctggg aaatctattt 420
 cagtaccaga gctatgctgg ttacacacct tttctgactc atgttcccaa gtgattttat 480

```
tccagatagc atttggggac agttacgtgt actgttctga tatcttcta aaaggaaatt      540
atatttgaag taaagtcact gataaaatca actcaggaaa atgcactttg taaatattaa      600
aatataaaca ttattaaagg ccattgctgta aaaataactaa ttgattttcc tgtgtagcag      660
ttacaataga acaacgatag atctctaagg ggagagtgaaggaggacctcaa ttgagaaac      720
gtgaggcagg aaaagtttca aatattatat tcaagagtgt acctagtgtg ttacttaaag      780
acaattctnc acttaaataa acc                                              803
```

```
<210> 58
<211> 786
<212> DNA
<213> Canis familiaris
```

```
<220>
<221> misc_feature
<222> (1)..(786)
<223> n is a, g, c, or t
```

```
<400> 58
gngnggnaat gtgcagncgg ntaacaattt cacacagnaa ttccatttcc ctcaacaagc      60
aggagaaatt ttctcaagag ttaccagaa gtcactctta acgtcagggt tgcaaatattt      120
aaaaagcatg aaaaagaacg tctactacat aatcctccag gcacattcca acacgctgcc      180
aacagtattc ctgaaaatcc tctgtcaaac ccctccataa atcatagcct cagagctctg      240
tgtgtgtggc tgcagcaggc tcgtagctgc agagcacttg catggaggag acatgcgctc      300
aggaactgca ccgccgcatt ccgcagaagc cagcgcactt acttccctct gctgcatggt      360
aacctgtgct atgttctaga tcttacttta gttagtaatt caacaacagg agtcatgtgg      420
gctggcaagt agtcagctga aaactaacat gtgaacagaa ctctcagggg caggcctcca      480
gcaagctccc acccgagtca gtactgctcc cgccttccct tcagcttggtg ggtgggtact      540
accttctgaa gcctcacaaa acccccatct gaaagaagag gaaactgaga cacgggtgaga      660
catggtgccc ctgcccacaa gtctgacagt ttgatattgg agagccagga atccatccca      720
gggnagtggg ccagaaggta gtggctgact gccatgcccg aggacgtccc caggagctgc      780
cgtgaa                                                                    786
```

```
<210> 59
<211> 837
<212> DNA
<213> Canis familiaris
```

```
<220>
<221> misc_feature
```

<222> (1)..(837)

<223> n is a, g, c, or t

<400> 59

tctggnnccc cgggacgtnn ttgggagctg ccctgagctc ccacctgctg ctgccagtac	60
tagcacaggg tcctcaagtg atggctgctg gtgaattatt tagaatctcc atgggcaggg	120
cattctgctt tttagcactg tgtcttgacc tgttccaaga ccatcttcca aggagagcca	180
gcagctggtg ttgtaagttc ttcccatgac aaataagccc aagacctcac ttaggaaaca	240
tacaatgatt atatgatctt gggagtcagc cctagaaggg cccttcttct cttgcttcaa	300
gctaaaaaga ctctggacaa caaaagaggg agtggctgct aagtaacttg caactaccac	360
ttcagttctca ctgcagctgc aaagatagga acagagaagt tttagggtgag aaactccttt	420
ttcccaagaa actgtgatga accagtgtta cagtttaggg agagagctct gtagacaagg	480
agggacctaa ggacccccag gactcaccac cccacacct agtccccctg gtcacctggt	540
acgtaagcag gtaggctctg cttagcatag tgctaagatc acatcttgct cagagtgtac	600
aaactcagga aagctggcat taggtagtat cacaagtga aaaatacctc aaccagtggc	660
cattggaagt gcggaagtac atgccatact cactgcaagg ttctccattc cagctgccgt	720
actgtgtaat acgacttaat atcttcagag natcaagggt aatttcaa at ttgtgtcttc	780
aaagaacatt tctttttnt tcttttgggg ncagtactgc gcacatttta actagga	837

<211> 866

<212> DNA

<213> Canis familiaris

<220>

<221> misc_feature

<222> (1)..(866)

<223> n is a, g, c, or t

<400> 60

ttgtcgagcg gataacaatt tcacacagna attccagcac catgcactct ctgagacagg	60
tgaggatttt gcagcagctg ataaggacac aagtgaacag gagcataata atgaaaacac	120
aaagactagt tagctgttac tacttgcttc tagggcttct agtgttctct gttgtgatac	180
ttgggtcaaat gttgtttggg agtcactgaa gaatgcttca tcatttgcaa agataggacc	240
ctaacttgta agccccctaa attaaaagaa tgcttttttag tacaaaatta atgatcttag	300
tcacaaaaag caaagaagaa atcaaaatca caaagtcac attcaaagtt gtattcttta	360
tagcaaaaat ggggcaagct acaggattgc caaagtcct ataaaacagg aggaaggttt	420
atgaaatgat gctcagagag aatgcagaat gtgctattag cacaaatcct ttctgaaatg	480
gaacctgagc aaagtgatgg catttgatgt agaggaatag ccaccatcac atatgtgtga	540

gagaaaaatag tttgcttttg ggatgaacaa taccaccgtt gtacaaagca tgaataagca 600
 cttggaaaat gtatagtatg tataacagag ggacttttat ctgtttggca ttgaaaatca 660
 atgccattaa aagtaggaac aattgggttat tgggnctgat tttttaaag aattcattta 720
 tttnttttng gggganagaa ncccccccc cctntncccc cnggggaaan annnagggn 780
 aaaaaanaat ntnnagcna ctnnttttctt nntgggnccc cggngggggg ctttancna 840
 aancccnnga aannannntn ngncn 866

<210> 61
 <211> 886
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(886)
 <223> n is a, g, c, or t

<400> 61
 ttgngaaccc gcttgccaaa cctacaggtg gggcctttca agaacataag cccaaataag 60
 cactggcaca tagtaggagc agcataaacg ctccccctcc tattcctaac ccaccaagaa 120
 ttctagattg acagtgtttt ctttgagtat tttaaagatg ctgcttcctt gacttcttgt 180
 ttgcaaattt ctgatgagaa atctgctgtc attttatctt ccttcctttg cataatgatg 240
 tatctttttc tctctgcttt taagattttc attttatcac tggttctaag caatttaatt 300
 atgatgttcc ttggtatagt gctcttcata tttctattag gagtttggtg agcttcttgg 360
 atttgtgagt ttatagtttt tatcaaattt ggcaagtttt cagctactat ttcttcaact 420
 ttttttttcc tgtcctcctt tgactcctcc tcattcccat atttctcctg tccttcaggg 480
 actccagtta tctgtatgtt aagctcattg atacctatt tgtgtatatt ttaaggcttt 540
 ttattccctg tatttcattt tggatagttt ctactgcaat gttttcaggt tctttaacct 600
 cttttttttt ttccccccag taatgtctaa tctgctcttc atcccaaaga catgtagtgg 660
 tgtgtgtgct aaaaatccca gacaatgttt ttatgattcc taggtatttg ctttggggct 720
 tttcaaagat ttccatatt tctacttctt tggccatata gaatgcggnnt attattattt 780
 tttagnggcc tatgctacta aatcctataa ttntctgggac tcctttgatt nagnntnnc 840
 tttttattta ttnattaagn anggttttat tgggagttng attncc 886

<210> 62
 <211> 728
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(728)
 <223> n is a, g, c, or t

<400> 62
 ggattgtcag cggataacaa tttcacacag aattcccagg acccagcatg atgcctggtg 60
 tgcacatggg tgggcctcc tatgtaagcg tcaccactcg ggagcagtgg cggggatgcc 120
 tggatgcgcc ggctcctgcg tgtagggtgc tatcaggaca ttgctgggtt gccacctctg 180
 tctgaggctc cagagagcga ggggacaccc cacatcatga atgccctgtg gggttaccag 240
 tgggggcaat tacctgcatt gctcctgggc ctgagcggcc tcatctgtga aatgggtaca 300
 ttcatatcac gtatgggaga gggctgccgt ggggtttaat ggaggcaacc catttgagcg 360
 ctgggcccg caccgctcct gctcttactg tgactatggc cagcgtcact gttgcagggc 420
 cttgaccggc cggggtggac gctgggtgcca ccgttgctct ctcccagggt gggaggagac 480
 aggcctgcgg ggcggactca ccgtggcggt gacggtgagc tggtaggcct gcgtggtctc 540
 gtagtccagc tcgcggacca ccgtgacgat gccgcgggcg ctgtcgatgg cgaacaacgg 600
 ggaccggggc tggaaggagt acaggacgct gccccctgca ccaagtcggg gtccgtggcg 660
 ttacgataaa atgggtgtcc ccaccggcgt gttctggggg ccaagcaaac aaccaagggtg 720
 agtgggct 728

<210> 63
 <211> 785
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(785)
 <223> n is a, g, c, or t

<400> 63
 attgtcgagc ggataacaat ttcacacaga attcctaaaa cccttactgt tgtttttata 60
 tggcacttcc tgatgtgatt gcaggctttt agcaaagcca tttttgttaa caaaaaatga 120
 tttaaattct tttaaacaag tgtttagtga caagtcagta tttagtcac tagttattga 180
 tacagcacc ataaaattta tctctgaggg gagggatcag gaggaaatgt gggcattcta 240
 acttaatgat taataatag tgtctataac aaatgtgatg gctaagttat aaaatattta 300
 aaaaattttt tcttgaggt atttataaca gcaatgatgt agcagtatca tttccaaatg 360
 tggatatctg ctcaggatct agcactcctg tctccagttc tcatttacct cagcagtctt 420
 ctgggcatit gcaacaagt ggagcactct ccccatcagc agcatcatct gcaaccctg 480

ctgttgctac aactcaggta atcattacag tgctatgaag taacctgtag atggctttgt 540
 cgtttttgaa agtgagtttg attggagaag aaagaaacct tgtatagaaa ccttcctata 600
 taaattccta taggaattta taagtatctc catttgtttt gacacgtag tggatataat 660
 agacattttt atgtgatatt catgagaaag gacaaaagaa tacattggca ttaactgatt 720
 cttttcagtt tctgagtttc taatttttcc tgaagatgna aacaaaaatt tggggggaac 780
 tttta 785

<210> 64
 <211> 981
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(981)
 <223> n is a, g, c, or t

<400> 64
 ttgnaancg tcagaccaag tttactcata tcggatccaa agtgcttgag actgcatttt 60
 tttcaaattt tgcaatatatt gcattataat caccagttaa gcatccgtaa tccaaaaatc 120
 ctaaacctac aatgctctaa taaatatctc ctttggtgtg gttggtgcaa aaaatgtttt 180
 ggatttttga agacttcaaa tttcacatta gggataccct gagtggaaaa aatagttttt 240
 gtttttaaga ttcttttact caacaacaat caacaaggta gacttctgtg atcaaatgtg 300
 tgaggatttc tccccaccaa taagcaatca attctgcagc agacaccaag tgggtatcct 360
 ccaattcaag tctgacatta cctacctgga gaaagcgtca gatctcacag gttgatggct 420
 cagtcccaca agactgctcc ctacttctga tgtcaatcac aagccacagt ttgttttacc 480
 tgtgcttcta actgactgga tataaactgg gaatctcatg agccctctt tgggttcggg 540
 taatttgcta gagtggctca cagaactcag ggaatcacat ttattagttt attataaagg 600
 atatacagtt gaagagatac acatggcaag gtatgccttc cctgggaaca ccactctcca 660
 ggaacctnct tttgttcctg tccagaagct cttcgaatcc tctcctcttg ggccttttat 720
 ggagacttna ttagatgggc atgactgaca cacatgtaga aatgtgactg gagaaaaaat 780
 atatgatcta atattaatag actggggaaa ctancagggg cctgtntgtt caaatnttc 840
 nggncntttt gggtagcatt ncttntcca gggtnngggg gngnacnttt ttgaaagaaa 900
 gtntttgacc ctanncaaaa gngggggaag annaantnct ctttnggcag nnaaaaaaaaa 960
 aaaaattttt tttttnggnt n 981

<210> 65
 <211> 981
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(981)
 <223> n is a, g, c, or t

<400> 65
 ttggnaancg tcagaccaag tttactcata tcggatccaa agtgcttgag actgcatttt 60
 tttaaatttt tgcaatattt gcattataat caccagttaa gcatccgtaa tccaaaaatc 120
 ctaaacctac aatgctctaa taaatatttc ctttggtgtg gttggtgcaa aaaatgtttt 180
 ggatttttga agacttcaaa tttcacatta gggataccct gagtggaaaa aatagttttt 240
 gtttttaaga ttctttcact caacaacaat caacaaggta gacttctgtg atcaaatgtg 300
 tgaggatttc tccccaccaa taagcaatca attctgcagc agacaccaag tgggtatcct 360
 ccaattcaag tctgacatta cctacctgga gaaagcgtca gatctcacag gttgatggct 420
 cagtcccaca agactgctcc ctacttctga tgtcaatcac aagccacagt ttgttttacc 480
 tgtgcttcta actgactgga tataaactgg gaatctcatg agcccctctt tgggttcggt 540
 taatttgcta gagtggctca cagaactcag ggaatcacat ttattagttt attataaagg 600
 atatacagtt gaagagatac acatggcaag gtatgccctc cctgggaaca ccactctcca 660
 ggaacctnct tttgttcctg tccagaagct cttcgaatcc tctcctcttg ggccttttat 720
 ggagacttna ttagatgggc atgactgaca cacatgtaga aatgtgactg gagaaaaaat 780
 atatgatcta atattaatag actggggaaa ctcanagggg cctgtntgtt caaatntttc 840
 nggncntttt gggtagcatt ncttntcca ggggttngggg gngnacnttt ttgaaagaaa 900
 gtntttgacc ctanncaaaa gngggggaag annaantnct ctttnggcag nnaaaaaaaaa 960
 aaaaattttt tttttnggnt n 981

<210> 66
 <211> 1005
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(1005)
 <223> n is a, g, c, or t

<400> 66
 ctnagctngc ttgccaaacc tacaggtggg gtctttcaaa aaacagacat gcagacttta 60

```

acagataata aggtttttga ggtttttcgt ttatgtatatt actcgagaaa gcaagagctt      120
tattttattta tttttgagac ggagtttcgc tctgtcgccc gggctggagt gcaatggctc      180
catctcgtct cactgaaacc tctgcctccc gggttcaagc gattctccca tctcaacctc      240
ccgagtagct gggattacag gcgcgcgacg ccacgcctgt ataaaaatac taaaaatgca      300
aaaataatth ttgtatthtt agtagagatg gcgtttcatc atgttggcga aactccaggc      360
tggctctgaa ccctgacctc ggtgatctgc ccgcctcggc ctcccaaagt gctgggatta      420
caggcgtgag ccaccgcgac cggccaagag ctttataaag atggaaaacg aagcagactt      480
tctgccaag ccattgcttt ggataaggat tactactatt tgaaatctta catatatagc      540
acttggccaa ctatcaaaac tgcacaaacc ttcactaatt gcaattattc cctttaacat      600
ctcgagttac cccaatccgc acaaaacaag tttagtgcc accaggtaat aatacattca      660
ggaaaataat tccaagaaca gacgtttaag aactacagag aaaaacatac ttttttctac      720
aagaaaaaat cttagaggac agtaccaggg nccttatctc tgttagcatg atttatattt      780
cacgtaacgt tggcccagtc actgctncat tntaaancna tagccanggc anatagaaag      840
tctgaacana ttgacngcna ngggtttaaa ttttttacca ggnaacaaan cctggcaaac      900
tgccancang ggtgcccaaa tgctggncn gggtcctcgg aagnaaacgg agggctttga      960
atthttttcc ntttnggaac ngncnngnt ttnggcnaa nttt      1005

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<210> 67
<211> 863
<212> DNA
<213> Cercopithecus aethiops

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<220>
<221> misc_feature
<222> (1)..(863)
<223> n is a, g, c, or t

```

```

<400> 67
nttttggng nntanctnt ananattngc caattattgg ggggnacctt catcataagt      60
attaatataa taataataat aagtaatagt aactagtaac aacaataaaa aggaaatcag      120
cggaaagtca ggaaaaatgt taaaaaaaaa ttggaataac ttactgtagc tgaagatcaa      180
aaaaatctca ctgtaaaaaa acaaaaaataa aaatagccca gattagaaaa acgggaggtg      240
caaaaatgtc aagtcagtaa agttcatttc ttttctcttt ccaaaagcag tttccacaaa      300
aaccgcaagg ataaagtttt cagtagcaga caagcaaagc cctttcgaca tcatcaatca      360
atcttaaaaa tacacgagga agtagagagg tcagtttatg agaggctaaa aggctcctcc      420
tcttctaacc caactgctgc agaaaaata gaaatagaaa ttttaaaaat tacatcttaa      480

```

```

atccagggtcc cggtttttga aacaattaaa aaaaaaacac ctgtacattt gccgtagtgc      540
acaccaagtt gcatcattat gtttaaaatg tctttataaa atcagttttg gaatggaatg      600
tgtgtgttct ggaaggggtg ggaagggagg ttaaaaatca aagctgagct ccagtgagta      660
gggatggggg tcgccttgct gccctgtgaa agggaaagga cagatnagtc aanttnctaa      720
aaatgtntgc cctaancnccn anaaaaaact ttgnntttng aantaaaaat ttggtaagct      780
ttaaattccc tggnggggaa nccnctntaaa naccttttnc ngnnngntta aaattttaan      840
aaaanggggn naaaaaaaaa ncc                                          863

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<210> 68
<211> 918
<212> DNA
<213> Cercopithecus aethiops

```

```

<220>
<221> misc_feature
<222> (1)..(918)
<223> n is a, g, c, or t

```

```

<400> 68
cnnnttctgg nngatnaaan tnnttnnnna nttcnccaat nnattggggg gaannnttca      60
tcataagtat tnatataata ataataataa gtaatagtaa ctagtaacaa caataaaaag      120
gaaatcagcg gaaagtcagg aaaaatgtta aaaaaaatt ggaataactt actgtagctg      180
aagatcaaaa aaatctcact gtaaaaaaac aaaaataaaa atagcccaga ttagaaaaac      240
gggaggtgca aaaatgtcaa gtcagtaaag ttcatttctt ttctctttcc aaaagcagtt      300
tcacaaaaaa ccgcaaggat aaagttttca gtagcagaca agcaaagccc ttctgacatc      360
atcaatcaat cttaaaaata cacgaggaag tagagagggtc agtttatgag aggctaaaag      420
gctcctcctc ctctaacca actgctgcag aaaaaataga aatagaaatt ttaaaaatta      480
catcttaaat ccagggtccg gttttggaaa caattaaaaa aaaaacacct gtacatttgc      540
cgtagtgcac accaagttgc atcattatgt taaaatgtc ttataaaaat cagtttttga      600
atggaatgtg tgtgttctgg aagggtgggg aaggagggtt aaaaatcaaa gctgagctcc      660
agtgagtagg gatgggggtc gccttgctgc cctgtgaaag gagaagggtc agattgagtc      720
agagttcctc aaaaatgttg tgccttaaac cccaagaca gaaacatctt gtttatntn      780
gctaacacaa tntttntgna naatnatnaa cctccccngg ggaggggnacn ccctnnnnna      840
aannnccctt nccanggant gnnttnaaan tttttnaana tnantggggg nanaaaatna      900
acnaancctt gnaaattn                                          918

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```

<210> 69

```

<211> 887
 <212> DNA

<220>
 <221> misc_feature
 <222> (1)..(887)
 <223> n is a, g, c, or t

<400> 69
 tncantcttt nnnnggcna nacgcgcgc nantcgccaa tnactggggg ggnancttca 60
 tcataagtat taatataata ataataataa gtaatagtaa ctagtaacaa caataaaaag 120
 gaaatcagcg gaaagtcagg aaaaatgtta aaaaaaatt ggaataactt actgtagctg 180
 aagatcaaaa aaatctcact,gtaaaaaac aaaaataaaa atagcccaga ttagaaaaac 240
 gggaggtgca aaaatgtcaa gtcagtaaag ttcatttctt ttctctttcc aaaagcagtt 300
 tccacaaaaa ccgcaaggat aaagttttca gtagcagaca agcaaagccc ttctgcacatc 360
 atcaatcaat cttaaaaaata cacgaggaag tagagaggtc agtttatgag aggctaaaag 420
 gctcctctc ctctaacca actgctgcag aaaaaataga aatagaaatt ttaaaaatta 480
 catcttaa at ccagggtccg gttttggaaa caattaaaaa aaaaacacct gtacatttgc 540
 cgtagtgcac accaagttgc atcattatgt ttaaaatgtc ttataaaaat cagttttgga 600
 atggaatgtg tgtgttctgg aagggtgggg aaggagggtt aaaaatcaaa gctgagctcc 660
 agtgagtagg gatgggggtc gccttgctgc cctgtgaaag gagaaggac agattgagtc 720
 agagttcctc agaaatgttg tgccctaacc cccaagacag aaacatctgt ctttgcagct 780
 aacacatttt ggnaagcatn acatncactg ggatggacag ccncntaaaa aaccttnn 840
 ngncnnnttt naanttttaa nnnaaagggg nnnaaataan naaccn 887

<210> 70
 <211> 897
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(897)
 <223> n is a, g, c, or t

<400> 70
 ctttggggng tnnttcanac ntnttancac nntnntcgcc antccncttg aggggnaaac 60
 ccatcgctt ctatcgntt cttgacgagt tcttctgagc gggactcttg ggttcgaaat 120
 gagctagccc ttaagtaacg ccattttgca aggcattggaa aaatacataa ctgagaatag 180
 aaaagttcag atcgagggtc ggaacagatg gaacagggtc gaccggtcga ccggtcgacc 240

ctagagaacc atcagatggt tccaggggtgc cccaaggacc tgaaatgacc ctgtgcctta 300
 tttgaactaa ccaatcagtt cgcttctcgc ttctgttcgc gcgcttctgc tccccgagct 360
 caataaaaga gcccacaacc cctcactcgg ggcgccagtc ctccgattga ctgagtcgcc 420
 cgggtacccg tgtatccaat aaaccctctt gcagttgcat ccgacttggt gtctcgctgt 480
 tccttgggag ggtctcctct gagtgattga ctaccggtca gcgggggtct ttcaatgatg 540
 gtgatgatga tgatgataat gacactgatg atttttaacc ggattaaaat cgagtttttc 600
 tgaatgtttc taagaatttc tccggcctcc tgattgactt tggagttttg catcttggga 660
 gagaaagcga aggcattagt atttttaagt ggattgatca cataaacctt ttctctccca 720
 accccacct tgcccttacc cccttcccca cactgaacag aattttactg gctgntaagt 780
 ctatgacctt attttttctt gatctttaac ttaactgntt tagagcatct ntggacgnch 840
 ggattttnaa attttttnat tttnggnttt ttnntttnaa annttnnatt gggaaan 897

<210> 71
 <211> 878
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(878)
 <223> n is a, g, c, or t

<400> 71
 tcggggngnn ctccactnnt gntgcnnntc nncgccantc cncttgnggg gnaaaccatc 60
 gccttctatc gncttcttga cgagttcttc tgagcgggac tctgggggttc gaaatgagct 120
 agcccttaag taacgccatt ttgcaaggca tggaaaaata cataactgag aatagaaaag 180
 ttcagatcga ggtcaggaac agatggaaca gggtcgaccg gtcgaccggt cgaccctaga 240
 gaaccatcag atgtttccag ggtgccccaa ggacctgaaa tgaccctgtg ccttatttga 300
 actaaccaat cagttcgctt ctgccttctg ttgcgcgcgt tctgctcccc gagctcaata 360
 aaagagccca caaccctca ctgcggggcg cgctctccg attgactgag tcgcccgggt 420
 acccgtgtat ccaataaacc ctcttgaggt tgcacccgac ttgtgggtct gctgttcctt 480
 gggaggggtct cctctgagtg attgactacc cgtcagcggg ggtctttcaa tgatgggtgat 540
 gatgatgatg ataataacac tgatgatttt taaccggatt aaaatcgagt ttttctgaat 600
 gtttctaaga atttctccg cctcctgatt gactttggag ttttgcactt tgggagagaa 660
 agcgaaggca ttagtatttt taagtggatt gatcacataa accttttctt tnccaacccc 720
 acccttgccc ttatccctt cccacactg aacagaattt tactggetgn taagtctatg 780

accttatttt tctgatctt taactnactg ntttagannt ctctggacgn cggnnittna 840
aattnttat tttgggtttt tantttaaan cttnattn 878

<210> 72
<211> 964
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(964)
<223> n is a, g, c, or t

<400> 72
cttctggggn gannnaanca nttcgnnan nntccncca atctacttgn ggggcaaacc 60
catcgcttc tategttctt cttgacgagt tcttctgagc gggactctgg ggttcgaaat 120
gagctagccc ttaagtaacg ccattttgca aggcatggaa aaatacataa ctgagaatag 180
aaaagttcag atcgagggtca ggaacagatg gaacaggggc gaccggtcga ccggtcgacc 240
ctagagaacc atcagatggt tccaggggtgc cccaaggacc tgaaatgacc ctgtgcctta 300
tttgaactaa ccaatcagtt cgcttctcgc ttctgttcgc gcgcttctgc tccccgagct 360
caataaaaga gccacaacc cctcactcgg ggcgccagtc ctccgattga ctgagtcgcc 420
cgggtacccg tgtatccaat aaacctctt gcagttgcat ccgacttggt gtctcgctgt 480
tccttgggag ggtctcctt gagtgattga ctaccgtca gcgggggtct ttcaatgatg 540
gtgatgatga tgatgataat gacactgatg atttttaacc ggattaaaat cgagtttttc 600
tgaatgtttc taagaatttc tccggcctcc tgattgactt tggagttttg catcttggga 660
gagaaagcga aggcattagt atttttaagt ggattgatca cataaacctt ttttttncca 720
acccaccct tgncttatn cccttnccca cactgaacag aaanttactg gctggnnann 780
natganccta nttttnnngn ncttnaanta acnggnnnna anaaancnng gcnnccggnn 840
nnnaaaaaan ttnnnnnnng nngntttttt naaaaancnt nnttnnaaaa ntaaaancgg 900
nnnnnaaaaa nggggggggn cnnncnnancn tnannnnggg ngggttttcc nnaaancntt 960
ttcc 964

<210> 73
<211> 986
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(986)

<223> n is a, g, c, or t

<400> 73

catctttctg nnnngnaana aacgtncnnn nnnnctctcc cnaatttaac ttgggggggn	60
aaaancatcg ctttctattt ttcttcttga cgagttcttc tgagcgggac tctgggggttc	120
gaaatgagct agcccttaag taacgccatt ttgcaaggca tggaaaaata cataactgag	180
aatagaaaag ttcagatcga ggtcaggaac agatggaaca gggtcgaccg gtcgaccggt	240
cgaccctaga gaaccatcag atgtttccag ggtgccccaa ggacctgaaa tgacctgtg	300
ccttatttga actaaccaat cagttcgctt ctgccttctg ttcgcgcgct tctgctcccc	360
gagctcaata aaagagccca caaccctca ctcgggggcg cagtcctccg attgactgag	420
tcgccccggg acccgtgtat ccaataaacc ctcttgagcgt tgcacccgac ttgtgggtctc	480
gctgttccctt gggaggggtct cctctgagtg attgactacc cgtcagcggg ggtctttcaa	540
tgatgggtgat gatgatgatg ataataacac tgatgatttt taaccggatt aaaatcgagt	600
ttttctgaat gtttctaaga atttctccgg cctcctgatt gactttggag ttttgcattct	660
tgggagagaa agcgaaggca ttagtatttt taagtggatt gatcacataa accttttctc	720
tcccaacccc acccttgccc ttatccctt cccacactg aacagaattt tactggctgt	780
taagtctatg acctattttt tctgatctt taacttaact gntttanagc atctntggac	840
gnnnngnattt naaanntttt tatttnggnt tttnatTTta aannttnatt ngnaaanntt	900
naactgggct gnanaaaagg gnggggncta ctnaaantnn nnacgggagg gntttncctg	960
nanncanttn ctccnnttcc ntgaan	986

<210> 74

<211> 748

<212> DNA

<213> Cercopithecus aethiops

<220>

<221> misc_feature

<222> (1)..(748)

<223> n is a, g, c, or t

<400> 74

ttttttgcnt taccgtatcg ccgctnncca ttgcgagcgc atcgcttct atcgcttct	60
tgacgagttc ttctgagcgg gactctgggg ttcgaaatga gctagccctt aagtaacgcc	120
atTTtgcaag gcatggaaaa atacataact gagaatagaa aagttcagat cgaggtcagg	180
aacagatgga acagggtcga ccggtcgacc ggtcgaccct agagaaccat cagatgtttc	240
cagggtgccc caaggacctg aaatgaccct gtgccttatt tgaactaacc aatcagttcg	300
cttctcgctt ctgttcgcgc gcttctgctc cccgagctca ataaaagagc ccacaacccc	360


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accctcttgc agttgcatcc gacttgtggt ctcgctgttc cttgggaggg tctcctctga      480
gtgattgact acccgtcagc gggggtcttt caatgatggt gatgatgatg atgataatga      540
cactgatgat ttttaaccgg attaaaatcg agtttttctg aatgtttcta agaatttctc      600
cggcctcctg attgactttg gagttttgca tcttgggaga gaaagcgaag gcattagtat      660
ttttaagtgg attgatcaca taaacnnttt tntcttccaa cccacccctt gcccttatnc      720
ccttncccac actgaacaga attttact                                         748

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<210> 75
<211> 881
<212> DNA
<213> Cercopithecus aethiops

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<220>
<221> misc_feature
<222> (1)..(881)
<223> n is a, g, c, or t

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<400> 75
tntcttgagg acccgatcg ccgcttccga ttgcgagcgc atgccttct atgccttct      60

attttgcaag gcatggaaaa atacataact gagaatagaa aagttcagat cgaggtcagg      180
aacagatgga acagggtcga ccggtcgacc ggtcgaccct agagaaccat cagatgtttc      240
cagggtgccc caaggacctg aaatgacctt gtgccttatt tgaactaacc aatcagttcg      300
cttctcgctt ctgttcgcgc gcttctgctc cccgagctca ataaaagagc ccacaacccc      360
tcaactcgggg cgccagtcct ccgattgact gagtcgcccg ggtacccgtg tatccaataa      420
accctcttgc agttgcatcc gacttgtggt ctcgctgttc cttgggaggg tctcctctga      480
gtgattgact acccgtcagc gggggtcttt caatgatggt gatgatgatg atgataatga      540
cactgatgat ttttaaccgg attaaaatcg agtttttctg aatgtttcta agaatttctc      600
cggcctcctg attgactttg gagttttgca tcttgggaga gaaagcgaan gccttantat      660
tttttagngg gtnggmnaca tataaccttt ttttttccaa nccccccctt ncccttttnc      720
cctttcccccc actgaaaaaa attttacngg ctgnnaannn tnnnacnntn ttttnccnnn      780
ncttnannna annggttnaa gaccnnnnng ggccnnnggn tttnaaantt tttntttng      840
ggnttttntt ttnnaancnnn cnttggnaaa ntttnaanng g                                         881

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<210> 76
<211> 906
<212> DNA
<213> Cercopithecus aethiops

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<220>
 <221> misc_feature
 <222> (1)..(906)
 <223> n is a, g, c, or t

<400> 76
 canntttctg gggngtnnnn aactnannnn nnnnatcgcn nccacantnn nnttgggggg 60
 aaaaacctga atacatttgt ngttatttcc cttagatctt tttttttttt tttttttttt 120
 ttgagacatc tcaactctgtc acccaggcta gagtgaagtg gcacaatctc tgggtcactg 180
 caacccccac ctgcctgggt caagcgattc tctgcctca gcttcccgag tagctggtac 240
 tataggtgtg caccaccaca cctggctaata ttttttaaaa aatattttta gtggagatgg 300
 ggtttcacca tgttgaccag gctgggtctca aactcctgac ctcaaaggat ccacctgcct 360
 tggcctccca aagtgtctggg attataagca tgagccacca tgccagcctg tttcttttag 420
 atcttgattt gatattctgg atatgaatga aagaaaatta atgagtgttt caaagtctaa 480
 ataaggaagc tccacagata atattaacat ttctctgac tagtcatatt tattattgtg 540
 tttcaattag aagtggctgt aggctctgaa agacacacta taaataaagc ctccccctca 600
 tacaccctca ctacaccca cacttacacc aatgcaattt ttagacagaa acacaagcaa 660
 gaaataggat agattttttt taaaaaatgg gcattgggta aattttctgg tcatattaaa 720
 aaanntnttt nagaactccc aanggggggc cattaataga gacctnattc nctgnnggaa 780
 nnaaannngn aaattncnan aattnctnac aatntttagg ganttgangn aaaatnttnn 840
 gtnnntgnaa ctttcctagn ggnccnnttn ngccctatnc ccaggnttt tatnctaaac 900
 ccntc 906

<210> 77
 <211> 909
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(909)
 <223> n is a, g, c, or t

<400> 77
 cntcttnngg gngttnaanc tgnctnnnaa tgcntcacat tnattnnggg gaaaaccgta 60
 ctgacttatt atgagagggt tctgctcttg ttaggatcca gtaggtttga ggtgcaacta 120
 ttctctact ttactcttcc acctcccaga gaactctgcc aagaaccatg ttaagactgc 180
 tttctgcttt aactactaat agtcttgatt ataggaacgg aatttggtga tcaagtaggt 240

tctaagaact taacataaaa actggctatt aatgcatttg caaaatttgc attttaaatc	300
caaggcaaga acaggtcagg caaaaatgga atccaaacac caaattgtta aaagtttttaa	360
gtccatttct cttgttagtt tgcaacttaa attactaatt ctctaattgt ttagagcaga	420
agttggtaaa ttgtttctgt aaaaaaattg tttctttaaa ttgtttcata atcaaaatct	480
taggttgtgt aggtgatact gtttctgttg aaattattta atctaaataa atggacatag	540
ctgtgttcta acaaaacttt atgattaacc tgacaggcca gatttgaaat gttagcaggt	600
ttgcacaccc ctactttaga aaaactcagt ctttatagct tccagttaca agatgtatct	660
tttttttttt tttttttaaa taagacagta ttattncaaa tgtcgggtgg ctcataccna	720
aatttgtttc cccnttcttn anttttcnaa angtggggcc caaanacttn aaaaggtngn	780
annnttttn nntaanaaaa nanccattta ggggnttntn caacccttn aaaaantttt	840
tttcttnaaa aanaantnca naaaannntn ctnaaaaaan naaaggggcc caccnttnt	900
ttttaaac	909

<210> 78
 <211> 890
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(890)
 <223> n is a, g, c, or t

<400> 78 gnnntncnnc tttnnnngat cagccgcnc cncagnncccc accaatccna cttgggtgtaa	60
acccccccagc aggggtcttg gctttctttc tgcttctcca aaatgggcct ggcttcccag	120
gagacagccg agagcgcctc gccctgctg gaagggcagc ctgggagctg gagttggcaa	180
acgggagggg acgggaggag gccagggga gggggcgtct tcccttagct ttcagcgaca	240
tctgctggcc gtgcgctgaa ctgccgctac cccagaggcc agctggagac caattttgag	300
ttgtgagcag ggaaagagag gaggggttcc aggacaatca ggtctggagc ttccagaaac	360
attccaaaaa cacagtttag gctttttaat tgttcactca gtcattctcc cggggtctag	420
ggagaaatcg gactcagact cggatctttg gggacctacc gcagcatgat aaccaggtg	480
tacctggggc tcatgggggc ctggggatca gggaggcccc tcacctgcat tcaactgtgtg	540
ccaagcactg gcctacatca ctgacatttg ctgtctcgct gcgggtgctg tgatcttgct	600
gctgtgctca tttgacagat gaaaacgctc aggttgtgag agaaccctaa agccagagga	660
ttcccttgat cactcccctt ccttcatgcc catagtcaat ccttcttcaa agcctatccg	720

tcccacctcc aaagcacacc atggatgccc atccttgccc catcatcggt accctctnag 780
 tgccagcctg cctganccccc tcanttnaag tcccgcctccc tggccttttg cagaagcatc 840
 ccaccagaat ctncagcca cccctcccna nttntntntt cccaaatggc 890

<210> 79
 <211> 965
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(965)
 <223> n is a, g, c, or t

<400> 79
 ntttctggnn gtnacagang gggngccnnn ccccccatn aactgggggn aaacncccc 60
 agccccaagg tggccattgt caggagggtg cttgctatgc agatgtgccg ttcaaaggca 120
 tgcagatatg aaagcatcgc tccctcaggt gggagacaat gggaaggctg agagcactgt 180
 ggtaggagc aaggcttttg aattagcagt ccctgcattc aaatcctagc tttacttgcc 240
 tcatgacagc cgtctgtcct tgagcaaaat tgtttaacct ctctggacct gtctatatct 300
 gtaaaaaggg ccaacatggt gtacccaaaa gccttgctcg ggtgatctca ttaagatatt 360
 tcatgtgaat atgtgctgag tggcctcacg taggagggtg ttactgactt ctccaagcc 420
 ccctcctctt catcgtact gccgctctgc gtatcctcca gcctcctccc acgctttctc 480
 tctactgact ttttgggggt gagggaggcc atttctgagt cacttgctcc tggacttgat 540
 gaattccatt cgtgtggcgg gggcagcagg gccagtggtg aaccagcagc tccccaacct 600
 tgcccactat accactcaag tgagtcgaag ctgtgatgcc cctggctgcc tccccactt 660
 cccttgagcg agctgggagg acaaagattg gactctgagg atcagcctga gacttaagat 720
 ggaggctgtg ttcccagagc ccagggtgg gcattgccagg aagcactctg gctccacgga 780
 atgctgcact gccccggggc tggcanacca naacttcctt gtnttnctgg gtctnacagn 840
 cncancctgg cctgggctgt ttttgcntgn tgnacctgcc tnaaannngn aaancctggg 900
 ancctggagn ctccnaggt ttngnttttc caancnccca aaattangnc naaccngnct 960
 nnggc 965

<210> 80
 <211> 891
 <212> DNA
 <213> Cercopithecus aethiops

<220>

<221> misc_feature
<222> (1)..(891)
<223> n is a, g, c, or t

<400> 80
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aggtgaggggt gtccagagat gtcttgcaaa tggcaatgtc ccaggccatg gaaacaggaa 120
tatgggctca aatccattta tggccaggca tgggtggctca tgccctgtaat cccaacactt 180
tgggaggtca aggcaggagg attgcttaag cccaggagtt caagaccgtc tgggcaacgg 240
agaggagacc ctgtctctac aaataattaa aaaattatct gagcatagtg gcacatgcgt 300
gtggtcccag ctactcgga ggctgaagtg ggaggatcgc ttgaggccaa gaggtcaagg 360
ctgcagtga ctgtgatcat accacggcac ttgagcctgg gcgacagagc aagaccctgt 420
ctttcttttt ttttttcaaa aaaaaaaaaat ccatttataa tttaacatgg gagcctcacg 480
ggaaagagtt cttgtcttgt tgagtgggtcc agtggttttg atgggctgga actttgcact 540
tgatgtgttg taattcattt tctagagtct atgtcgtgaa ggcccttggg gtgatagagc 600
cttgaaaaa tgttgtttcc ctgtggatta tctaaactag atccaagaac atgaaagacc 660
atccctcagg gagctggcat ttgtctaaaa accancattt cctgggcat ttgattgggg 720
ntcttgcttc actgcaaang ggggacttgc aaaattttac tnatgnccn nttgtntttt 780
ttntccaagg ggnttttana aaatttttct tnnnntttt ncnnaanacc cnttnnant 840
tntnttttnc nccccnttt ntntaacna nggggggntt ttnaacnncc n 891

<210> 81
<211> 803
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(803)
<223> n is a, g, c, or t

<400> 81
tggtaactgt cagaccaagt ttactcatat cggatccctt ctgggtccac atcactcagg 60
caactctctc ttcccacctg cccccaaac tcccttccac ctccctccac atgtatectc 120
ccacttcctt ccactcatgt aatgagaggt gctgatgagt cacaggagag gtagccctag 180
ataaccaaca gactgcaaaa cggacagtcc ctggatgtct gagccagtgt ttgtgcactg 240
cattgactgg ctctcgtag ttttttctct tagttgctaa agcctgtaag gtctgtgtga 300
tgaatatttt ctaacacatc ttagaagaac ataatgcaag acagaatgaa aaactagaga 360
ggcagaaacc cccaaagtaa gtagtgggaa attaccaggt atataatagg tcaagcctgc 420

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tctgcaggag ctcaagggat tgtagcattc ttatcccaaa ccactgaatc ctgggcaaaa      480
ataagaagtc gcctaatttt agtattacca gcttcccaac cccgggcatt cttcatctta      540
ctcaagctgt ccagaggccc cagggtgact ccctataagt cccatgggtg gctgagatct      600
atttagaggg acaaggggat ctccttataa gtcccatggg tggctgagat ctatgagaag      660
catcttgggg agagtgcctc tggccaccag catgtggccc tgaatctttc atgtgcaact      720
ggccagggaa ggaaattatg gaaatagtca tcctgcacat ntgcaaatga gatgcaaac      780
ctggaagctc ttctaaaaaa aaa                                              803

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<210> 82
<211> 763
<212> DNA
<213> Cercopithecus aethiops

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<220>
<221> misc_feature
<222> (1)..(763)
<223> n is a, g, c, or t

<400> 82
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acgagttctt ctgagcggga ctctgggggt cgaaatgagc tagcccttaa gtaacgccat      120
tttgcaaggc atggaaaaat acataactga gaatagaaaa gttcagatcg aggtcaggaa      180
cagatggaac agggtcgacc ggtcgaccgg tcgaccctag agaaccatca gatgtttcca      240
gggtgcccc aaggacctgaa atgacctgtg gccttatctg aactaaccaa tcagttcgct      300
tctcgcttct gttcgcgcg cttctgctcc cgagctcaat aaaagagccc acaaccctc      360
actcggggcg ccagtcctcc gattgactga gtgcgccggg taccctgtga tccaataaac      420
cctcttgtag ttgcatccga cttgtgggtc cgctgttctt tgggagggtc tcctctgagt      480
gattgactac ccgtcagcgg gggctctttc gtagcccttc cttttagtag aagacagaca      540
gatggtgatc caagagatac gcaagaagag gaccgtgtgt gtaatgggtg agctctaaaa      600
agagaaatca cttggatgga aatgaaggag aggaaaaggc tgatgtggat ggctgggaag      660
aggttcgatg gttaccttgg caaccgagct tctttctcat cccatccctt ccctagtcct      720
tgtcttaaaa gatttttttn tatgtccctt ccctcccaag ggg                          763

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<210> 83
<211> 861
<212> DNA
<213> Cercopithecus aethiops

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<220>
 <221> misc_feature
 <222> (1)..(861)
 <223> n is a, g, c, or t

<400> 83
 ttggggganc ctgtcagnac canttttact catatccgga tcctgaccta cattcagtgt 60
 tctagattga aatcacagat tttggataga gaaaaaaaaa tattctctgc aatctaataa 120
 aaccaacttt tttttttttt tttttttttt ttgagacaga gtcttgctcc atggcccagg 180
 ctagagtgcg gtagcacgat ctccggcttg tgcaacctct gcctgtcggg ttcaaccgat 240
 tctcctgcct cctgtctcct gccccagcct ntcaagtagc agggattaca ggcatgtgcc 300
 atgatgccca gctagttttt tgtattttta gtagagatgg ggtcttgcca tgttgcccag 360
 gctggacttg aactcctgac ctccagtgat caggccatct tggcctccca aagtgttggg 420
 attacaggcg tgagccatcc tgccctggcca aaaccagcat attttatgga taggaaattg 480
 gaccaaaggc gaatctttta ttgcaggctg tgggnttttt ccatgtggct ggtggnacac 600
 tgcaccaagc agcacacaca ctaggccagt ttnctttgca gaccagttg caatcccatc 660
 ttnagccag gattctatta ggtctcnaca accnatggga atttagggng ctcanagntt 720
 nnggggtggga aaaggggact aacctnctg ggttnanggn ttnnaantg gncnncnct 780
 ttggancngg ganatttatt nccaaaanng gnngggntng tnttngggnn anaaaccaa 840
 ttttgggaaa aaancntttt t 861

<210> 84
 <211> 767
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(767)
 <223> n is a, g, c, or t

<400> 84
 ggnattgncn agcggntaac aatttcacac agnaattccg tatttgaaat ttggggacaa 60
 tcgcttgaat cttaaaatta cttttctggt cagcgcgcc gaaggtctaa gcatttgtga 180
 aatgtctttt tcccccccc ccaccccttg atgctgttct ctttgggctg tcttaattac 240
 acaggggttg agaaaccaa ttaaaattag gcgtgtctgg tcaacagtga tcacgttgca 300
 tgcttttagc tttgcttggt gaagttgctt ctccctccctg agtggctttc ctcccttttt 360
 tttttttttt tttattttta aaaggaaata tcataagctc tttcagaaat actcacagga 420

agtgagtgtc cgtatgctgg ttactcacca gcaactgant gttggcaggt ggagaatgct 480
 accgcancn cccanacaga tctgcaaact ggcccnttnc agangatnaa aacagggtgc 540
 gtggaantan ggtttttggn naaangcant ttnaaagnaa atgggcactg cattnnnttc 600
 nagggggggg anttaagnaa cangnttggg gtnaaaaagn ncntgnttcc attnngngg 660
 tntctctcct ttnaaanggg nggnnggttt naaaaaaag ggcccccncnc cccanaaaaa 720
 aattttttgg nggaaaacct nccaaaaaaa anaccccn cn tttttgn 767

<210> 85
 <211> 761
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(761)
 <223> n is a, g, c, or t

<400> 85
 cngcttgcca acctacaggt ggggtctttc aaaatattgc gttacaaata tcattttggt 60
 gtatgtatgt caaaaccaa actgccttta tgtcaatatg ctgtaaaaat ctatcagaat 120
 atatcttaat tcttaacttt cattgttgtc tgtgggttgt cttgtataat tattatcaca 180
 tctacagtat tttctgtagg taaatatgaa atgtattata aatgtaccag ggggaaaatg 240
 ccctttaata agcctttccc tagacaaagc accatttagg cgtttagaag caagaactag 300
 tgaaatcaga aattgctgtc atacatactc acctgtgaat ggtcgtacaa aggatcccaa 360
 gcgcaggact tgtcctggaa gcagaggatc ggattccacc aggaaaagag gcaagtagaa 420
 atgccaaatg ccagcgtcc ctttncccag ctcatcttat ttgtaggcac tcagattttg 480
 gaatcctcca ggactaacat taaaaccca ctagggngtt tncctaatnc cgggaaanga 540
 gncagtaggn caaacaactt atccccncna nanaggaaca attccttgag ctccccncct 600
 gtttcngaaa ccctnttccc ttntgggncc ctgnanaagg nctgcccnaa tgctnngggag 660
 nccncnggt tttnatgaaa accatntnaa aatncccnaa agttnccccc ccaaggnaan 720
 nttccnttta aanttttggg aaaaaaance ccntnanaaa n 761

<210> 86
 <211> 791
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(791)

<223> n is a, g, c, or t

<400> 86

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tnggggacca gcttgccaaa tctacaggtg gggctctttca aaatattgcg ttacaaatat      60
catttttggtg tatgtatgtc aaaacccaaaa ctgcctttat gtcaatatgc tgtaaaaatc      120
tatacagaata tatcttaatt ctttaactttc attgttgtct gtgggctgtc ttgtataacn      180
attatcacat ctacagtatt ttctgtaggt aaatatgaaa tgtattataa atgtaccagg      240
gggaaaatgc cctttaataa gcctttccct agacaaagca ccatttaggc gtttagaagc      300
aagaactagt gaaatcagaa attgctgtca tacatactca cctgtgaatg gtcgtacaaa      360
ggatcccaag cgcaggactt gtcctggaag cagaggatcg gattccacca ggaaaagagg      420
caagtagaaa tgccaaatgc cagcgctccc tttcccagc tcattcttatt tgtaggcact      480
cagattttgg aatcctccag gactaacaat aaaaaccaca ctaggttggt ttctaattc      540
ctgtgaaatg agtcagtagg tcaaacaact tatccactcc agagagagaa caattccttg      600
agctacactc cctgtttcca gtaaccctat tccctctctg tgcctctgga taaagtgtg      660
ncnacaatgc atgganagcc cccgggttct gatgaaancn atngaaagat ngcanaaagt      720
agctgcctta aggggaangtt cccttngaaa ttaggnaaa aaaanccnnt aaaaanacng      780
gnggtcgggt t                                                    791

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<210> 87

<211> 783

<212> DNA

<213> Cercopithecus aethiops

<220>

<221> misc_feature

<222> (1)..(783)

<223> n is a, g, c, or t

<400> 87

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ttggggancca gcttgccaan tctacaggtg gggctctttca aaatattgcg ttacaaatat      60
catttttggtg tatgtatgtc aaaacccaaaa ctgcctttat gtcaatatgc tgtaaaaatc      120
tatacagaata tatcttaatt ctttaactttc attgttgtct gtggggtgtc ttgtataatt      180
attatcacat ctacagtatt ttctgtaggt aaatatgaaa tgtattataa atgtaccagg      240
gggaaaatgc cctttaataa gcctttccct agacaaagca ccatttaggc gtttagaagc      300
aagaactagt gaaatcagaa attgctgtca tacatactca cctgtgaatg gtcgtacaaa      360
ggatcccaag cgcaggactt gtcctggaag cagaggatcg gattccacca ggaaaagagg      420
caagtagaaa tgccaaatgc cagcgctccc tttcccagc tcattcttatt tgtaggcact      480
cagattttgg aatcctccag gactaacaat aaaaccacac taggtngggt tcctaattcc      540

```

tgtgaaatga gtcagtaggn caannantta tncnctccag agagagaaca attccttgng 600
ctacactccc tgtttcnnna acccnattnc ctttctgngn ccctgganaa aggggtgccc 660
anaatgcntg ggggnnncccc ccggnctcttg annaaaaacn tnttaaaaan ngccnaaagt 720
ancctcctnc nanggaagnt tcccccttta aattttnggn naaaaaannc ccttnaanta 780
ann 783

<210> 88
<211> 769
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(769)
<223> n is a, g, c, or t

<400> 88
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aaacaaacat aactctttct ctttccttga aggggttaatg ctccaaccag cctcagattg 120
gttcgcttga atcttaaaat tacttttctg gtcacgcgcg ccgaaggctt aagcatttgt 180
gaaatgtctt ttttcccccc cccacccct tgatgctgtt ctctttgggc tgtcttaatt 240
acacaggggt tgagaaacca aattaaaatt aggcgtgtct ggtcaacagt gatcacgttg 300
catgctttta gctttgcttg ttgaagttgc ttctcctccc tgagtggctt tctcctttt 360
tttttttttt tttttatttt aaaaaggaaa tatcataagc tctttcagaa atactcacag 420
gaagtgagtg tccgtatgct gggtactcac cagcaactga gtgttggcag gtggagaatg 480
ctaccgcagc cgcccagaca gatctgcaga ctggcccccatt tgcagangat tagacacagg 540
gtgcgtggat catanggggt tttgtacaga aggcagtttt aagangaaan tgggcactgc 600
atgtcatctc nanggggngg tgattcangg ancanggctg ggggtnaaaa gcacctggct 660
gccattnngg agntcctgct aatttttaaa nggcagggtg gttttaaaaa aaaagctccc 720
cccccccaa aaannnttt tttggaggna naacttccaa aangaanga 769

<210> 89
<211> 754
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(754)
<223> n is a, g, c, or t

<400> 89
cagcttgcca acctacaggt ggggtctttc aaaatattgc gttacaaata tcatttttgt 60
gtatgtatgt caaaaccaa actgccttta tgtcaatatg ctgtaaaaat ctatcagaat 120
atatcttaat tcttaacttt cattgttggtc tgtgggttgt cttgtataat tattatcaca 180
tctacagtat tttctgtagg taaatatgaa atgtattata aatgtaccag ggggaaaatg 240
ccctttaata agcctttccc tagacaaagc accatttagg cgtttagaag caagaactag 300
tgaaatcaga aattgctgtc atacatactc acctgtgaat ggctgtacaa aggatcccaa 360
gcgaggact tgtcctggaa gcagaggatc ggattccacc aggaaaagag gcaagtagaa 420
atgccaaatg ccagcgctcc ctttcccag ctcattttat ttgtaggcac tcagattttg 480
gaatcctcca ggactaacia taaaaaccac actagggttgt tttcctaatt cctgtgaaat 540
gagtcagtag gtcaaacaac ttatccactc cagagagaga acaattcctt gagctacact 600
ccctgtttnc agtaacccta ttccctctct gtgtccctgg ataaagtgtc gcnacaatgc 660
atggggagnc caccgggttc tgaatgagac aatcgtaaan atngccaaaa nttagctgcc 720
ntcangggaa anttncntt tgaaatttaa gnaa 754

<210> 90
<211> 866
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(866)
<223> n is a, g, c, or t

<400> 90
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ttctagattg aaatcacaga ttttggatag agaaaaaaaa atattctctg caatctaata 120
aaaccaactt tttttttttt tttttttttt ttgagacag agtcttgctc catggcccag 180
gctagagtgc agtagcacga tctcggttg ctgcaacctc tgcctgtngg gttcaaccga 240
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catgatgccc agctagtttt ttgtattttt agtagagatg gggctctgcc atgttgccca 360
ggctggactt gaactcctga cctcaggtga tcaggccatc ttggcctccc aaagtgttgg 420
gattacaggc gtgagccatc ctgcctggcc aaaaccagca tatttttatgg ataggaaatt 480
gaggcttaga tggggggaga aaaacattac acagattaaa ccacagctaa tgtcaagtgg 540
tgaccaaagg cgaatctttt attgcaggct gtgggttttt ccatgtgggt ggtggtacac 600

tgcaccaagc agcacacaca ctaggccagt ttcctttgca gaccagttg caatcccatc 660
 tntaanccag gatactatta ggtctcnaca ncctatggna ttttaggggtg ctcanagttt 720
 aggggtgggaa aaggggacta anctncttgg nttaaggtnt ntccactggn cctcnctttt 780
 nggnccnggg antttnatgc ccaaaancgg tngggcctttt ttgggggnan aannccaanc 840
 cnngggaaaa aaacnttttt gttang 866

<210> 91
 <211> 783
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(783)
 <223> n is a, g, c, or t

<400> 91
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 acaaacataa ctcttttctt ttccttgaag ggttaatgct ccaaccagcc tcagattggt 120
 tcgcttgaat cttaaaatta cttttctggt cacgcgcgcc gaaggcttaa gcatttgtga 180
 aatgtctttt tcccccccc ccacccttg atgctgttct ctttgggctg tcttaattac 240
 acaggggttg agaaaccaa ttaaaattag gcgtgtctgg tcaacagtga tcacgttgca 300
 tgcttttagc tttgcttggt gaagttgctt ctctccctg agtggcttct ctctttttt 360
 tttttttttt tttattttta aaaggaaata tcataagctc tttcagaaat actcacagga 420
 agtgagtgtc cgtatgctgg ttactacca gcaactgagt gttggcaggt ggagaatgct 480
 accgcagccg cccagacaga tctgcagact ggccccattg cagaggatta gacacaggg 540
 gcgtggatca tanggttttt gtacagaagg cagttttaag aggaaattgg tcaactgcatg 600
 tcatctcgag ggggtggtgat tcaaggagca gggctngggg gtcanaangc acntggctgc 660
 catctcgggg gttcctgctc acttntnaaa gggcaggctg gcttntaaaa anaaatgctn 720
 ccttcacccc caaanaggga ttttttttgc agngaataac ttccccaaaa tgaatngccc 780
 cna 783

<210> 92
 <211> 775
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(775)

<223> n is a, g, c, or t

<400> 92

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tcattttggt gtatgtatgt caaaaccaa actgccttta tgtcaatatg ctgtaaaaat	120
ctatcagaat atatcttaat tcttaacttt cattgttggtc tgtgggttgt cttgtataat	180
tattatcaca tctacagtat tttctgtagg taaatatgaa atgtattata aatgtaccag	240
ggggaaaatg ccctttaata agcctttccc tagacaaagc accatttagg cgtttagaag	300
caagaactag tgaaatcaga aattgctgtc atacatactc acctgtgaat ggctgtacaa	360
aggatcccaa ggcgaggact tgtcctggaa gcagaggatc ggattccacc aggaaaagag	420
gcaagtagaa atgccaaatg ccagcgctcc ctttcccag ctcactttat ttgtaggcac	480
tcagattttg gaatcctcca ggactaacia taaaaaccac actaggttgt tttcctaatt	540
cctgtgaaat gagtcagtag gtcaaacaac ttatccactc cagagagaga acaattcctt	600
gagctacact ccctgtttcc agtaacccta ttccctctct gtgtccctgg ataaagtgt	660
gccaanaatg catggagagn cccccgggtt ttgaatgana cccatcgtaa agatngccaa	720
aagntagctg ctttcaaggg aagttncnt ttganattta gnagaaaaag tccnt	775

<210> 93

<211> 837

<212> DNA

<213> Cercopithecus aethiops

<220>

<221> misc_feature

<222> (1)..(837)

<223> n is a, g, c, or t

<400> 93

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atcattttgg tgtatgtatg tcaaaaccaa aactgccttt atgtcaatat gctgtaaaaa	120
tctatcagaa tatatcttaa ttcttaactt tcattgttgt ctgtgggttg tcttgtataa	180
ttattatcac atctacagta ttttctgtag gtaaatatga aatgtattat aaatgtacca	240
gggggaaaat gccctttaat aagcctttcc ctagacaaag caccatttag gcgtttagaa	300
gcaagaacta gtgaaatcag aaattgctgt catacatact cacctgtgaa tggctgtaca	360
aaggatccca agcgaggac ttgtcctgga agcagaggat cggattccac caggaaaaga	420
ggcaagtaga aatgccaaat gccagcgctc cctttnccca gctcatctta tttgtaggca	480
ctcagatttt ggaatcctcc aggactaaca ntaaaacccc actagggggg ttnncnnantc	540
ctgngaaatg agtcagtagg ncaaacannt ttnncntcca nanannnaan antcctntgg	600

ntacnctccc tgnttcagna acccnattcc ctncntgggn ccnggnaaaa gggcgnccca 660
aatggnnnggg ngncccccgg ntntnanga aacccatnnt aaaattnccc aaaantttnc 720
nccccnnann gaaannnncc nttttaaatt ttngganaaa aaancccnt naaaaaaana 780
ngggggcggn tttntttttn aaagaaanaa anattttttt ttnggggagg ggttnnt 837

<210> 94
<211> 837
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(837)
<223> n is a, g, c, or t

<400> 94
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tagattgaaa tcacagattt tggatagaga aaaaaaata ttctctgcaa tctaataaaa 120
ccaacttttt tttttttttt tttttttttt gagacagagt cttgctccat ggcccaggct 180
agagtgcagt agcacgatct cggcttgctg caacctctgc ctgtcgggtt caaccgatc 240
tctgcctcc tgtctcctgc cccagcctct caagtagcag ggattacagg catgtgccat 300
gatgcccagc tagttttttg tatttttagt agagatgggg tcttgccatg ttgcccaggc 360
tggacttgaa ctctgacct caggtgatca ggccatcttg gcctcccaa gtgttgggat 420
tacaggcgtg agccatcctg cctggccaaa accagcatat tttatggata ggaaattgag 480
gcttagatgg ggggggaaaa ancnttnccc aaattaancc acagcttatg tnaagtgggtg 540

gncccaggcg gncnnnctt tggncnttt tcttttgga cccngntgca atcccctttt 660
taanccggga atcttttggg tttcncnccc cttgggnatt nngggggccc caanttnngn 720
nggggnaagg gnaaaaaacc cctttggntn agggntttta aanggggnccc ccctttggnc 780
cngggntttt tntnccnaan ngggnggggt ttttttgngg annaacnncn acnnggn 837

<210> 95
<211> 812
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(812)
<223> n is a, g, c, or t

<400> 95
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 acaaacataa ctctttctct ttccttgaag ggttaatgct ccaaccagcc tcagattggt 120
 tcgcttgaat cttaaaatta cttttctggt cagcgcgcc gaaggctctaa gcatttgtga 180
 acaggggttg agaaaccaa ttaaattag gcgtgtctgg tcaacagtga tcacgttgca 300
 tgcttttagc tttgcttggt gaagttgctt ctctccctg agtggcttct ctctttttt 360
 tttttttttt tttattttaa aaaggaaata tcataagctc tttcagaaat actcacagga 420
 agtgagtgtc cgtatgctgg ttactcacca gcaactgagt gttggcaggt ggagaatgct 480
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 gcgtggatca tagggttttt gtacagaagg cagttttaag angaaattgg tcaactgcatg 600
 tcactctgag ggggtggtgat tcanggagca gggctggggg tcanaangca cgtggctgca 660
 tctcgngggt nctgctcant tttaaaggn ngctggnttt aaaaataang ntncttcacc 720
 ccaaaangaa ttttttgcag gnaaannttc naaaaganna ccnntttt tgnnaaaacn 780
 tgggaaancc ccntttnaan gngngnttta an 812

<210> 96
 <211> 805
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(805)
 <223> n is a, g, c, or t

<400> 96
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 cattttggtg tatgtatgtc aaaacccaaa ctgcctttat gtcaatatgc tgtaaaaatc 120
 tatcagaata tatcttaatt cttaactttc attgttgtct gtgggttgct ttgtataatt 180
 attatcacat ctacagtatt ttctgtaggt aaatatgaaa tgtattataa atgtaccagg 240
 gggaaaatgc cctttaataa gcctttccct agacaaagca ccatttaggc gtttagaagc 300
 aagaactagt gaaatcagaa attgctgtca tacatactca cctgtgaatg gtcgtacaaa 360
 ggatcccaag cgcaggactt gtcttggaag cagaggatcg gattccacca ggaaaagagg 420
 caagtagaaa tgccaaatgc cagcgctccc tttccccagc tcactttatt tgtaggcact 480
 cagattttgg aatcctccag gactaacaat aaaaaccaca ctaggttggtt ttcctaattc 540
 ctgtgaaatg agtcagtagg tcaaanaact tatccactcc agagagngaa caattccttg 600

agctacactc cctgtttcag naaccctatt ccctctctgg gtccctggat aaagggctgc 660
 cacaatgcat ggggagcccc cnggntnttg atggnaacac tcntaaaaat tgccaaaagn 720
 tnnctgcctn aangaaaant nccctttnaa tttttggana aaaaanccct tnaanaaacn 780
 ggggggcggt ttttcnttaa agaaa 805

<210> 97
 <211> 854
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(854)
 <223> n is a, g, c, or t

<400> 97
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 tcatttttgt gtatgtatgt caaaaccaa actgccttta tgtcaatatg ctgtaaaaat 120
 ctatcagaat atatcttaat tcttaacttt cattgttggtc tgtgggttgt cttgtataat 180
 tattatcaca tctacagtat tttctgtagg taaatatgaa atgtattata aatgtaccag 240
 ggggaaaatg ccctttaata agcctttccc tagacaaagc accatttagg cgtttagaag 300
 caagaactag tgaaatcaga aattgctgtc atacatactc acctgtgaat ggctgtacaa 360
 aggatcccaa gcgcaggact tgtcctggaa gcagaggatc ggattccacc aggaaaagag 420
 gcaagtagaa atgccaaatg ccagcgctcc ctttccccag ctcatcttat ttgtaggcac 480
 tcagattttg gaatcctcca ggactaacia taaaaaccac actagggttgn tttcctaatt 540
 cctgtgaaat gagtcagtag gtcaaacaac ttatccactc cagagagaga acatttcctt 600
 gagctacact ncctgnttcc agtaacccta ttccctctct gggtccttgg ataaagggct 660
 gccnacaatg catngggggg cccccgggt tntgaangaa aanntntntt aaaaatngcc 720
 aaaaanatac tncctcaan ggnnannnnc cccttttnaa ntttttgggn aaaaaaaanc 780
 ccctnaaaaa aananagggg gggnggnttt ttttttnnaa aanaanaann aanntttttt 840
 tttggggnan annt 854

<210> 98
 <211> 912
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(912)

<223> n is a, g, c, or t

<400> 98

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cacaggagtc agtttcttca gcaangtctt gcttgctcng ttntgaacgg taggatnttg	120
tcgctatatt tgnacacatg agggacctnt gtggagcttc caaatagtgc gctnggcgca	180
atatnnacaa ganacagccc ttagcgantg gcttggtgnt gggngagatg ntgctctgtg	240
ngatgaattn acanatcaca gagttttttt tttgnntgct tgtttcctgt tntnaacggt	300
ggatttgtgn ttttggacca tgggatntct atgggctnan agangtccta tgtnggaata	360
nggcaatgta ctgcctttna naactggaat gangctnggt gagaanctgc tctgtgttct	420
gtganttcg tactntgaaa tttggggacn aacaaacata nctctttttt cttttccttg	480
aagggnaat tgctccaacc ccgccncaga ttgggntngc ttgaatctta naattntctt	540
tctgggtccg ccgcccgang gntnagcttt tgnghaaatg gtnttttttc cccccccca	600
ccccttggtg gngggtnntt ttgggcttgg nnttnanntn cccccggggg nntngnnna	660
ccnatttttn attttgggn nttttgggnc ncanggggtc cnnnnnnnnn gncntnnann	720
cttggttgn nngaangntg nttntcccc cccggggggg tccccccnt ttttttttt	780
ttntttttt ttttnagggg antttntng tcttttttna annncncgg gntggggggn	840
tcnnttttt gtttttnncn nnnnttggnn nngggggggg gganntttct ctnnncccc	900
cnnnttttn gc	912

<210> 99

<211> 807

<212> DNA

<213> Cercopithecus aethiops

<220>

<221> misc_feature

<222> (1)..(807)

<223> n is a, g, c, or t

<400> 99

ctgcttgcca anctacaggt ggggtctttc aaaatattgc gttacaaata tcattttggt	60
gtatgtatgt caaaaccaa actgccttta tgtcaatatg ctgtaaaaat ctatcagaat	120
atatcttaat tcttaacttt cattgttgtc tgtgggttgt cttgtataat tattatcaca	180
tctacagtat tttctgtagg taaatatgaa atgtattata aatgtaccag ggggaaaatg	240
ccctttaata agcctttccc tagacaaagc accatttagg cgtttagaag caagaactag	300
tgaaatcaga aattgctgtc atacatactc acctgtgaat ggctgtacaa aggatcccaa	360
gcgcaggact tgtcctggaa gcagaggatc ggattccacc aggaaaagag gcaagtagaa	420

atgccaaatg ccagcgctcc ctttncccag ctcattcttat ttgtaggcac tcagattttg 480
 gaatcctcca ggactaacan taaaacccca ctaggttgnt ttcctaattc ctgtgaaatg 540
 agtcagtagg tcaaanannt ttncnctcca ganaggaaca attccttgag ctanctccct 600
 gtttcaggaa ccctattccc ttntgggncc ctggaaaang gctgccacan tgctgggaag 660
 cccccgggtt tnaangnaaa aatcnnaaaa ttgccaaaan tancnncccn agggngngtn 720
 cccttanant tttnnggaaaa aancccnta aaaaancngg gngcgnnttt tnttaaaana 780
 aaanaaattt ttnttngggn gnttttn 807

<210> 100
 <211> 814
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(614)
 <223> n is a, g, c, or t

<220>
 <221> misc_feature
 <222> (1)..(814)
 <223> n is a, g, c, or t

<400> 100
 ttggnattgn ccagcggnta acaatttcac acagnaattc caggcacagt tggtgtgtaa 60
 ctagaatagt aagtggcttc ctaggctctg tcaactcctaa actgtagggg gcttccagcc 120
 tcggagatta cggaagtagt acttttcatt agcaagctca agaagaagtg tcaaaatagg 180
 atgacacttt cctagtcgct ctgcaaaaac ccaaaaaacc agaaggggtg tcacttagac 240
 actcctaagt ctatgcaggt gtcagcctgc cctcacccaa caccagccag cagcgtgcac 300
 cattcaacca tatcttaact tgccccttac aaattgacac ttactactaac aagccctttg 360
 atctcatttg tttaaaatga cagatatata accctcacgg gggttccac tcaaggcctt 420
 ncagcctnng nccgtcccc gnccaccccc aaacctacac acgtgttagc ccgacaccgg 480
 cccacccggg tcccacgtgc acctggtcta acacactncc cacgtgtggg cgcgccacgg 540
 gctttctnan gtagctgang gnccccccat gacccccggt tntccaaaan aaaaaaacgg 600
 gaaggacaag ggcccttttc nccngngncc caacntnng gggggngngt ccaaccctt 660
 tnttnntat aaaccccaaa aanananaag ggccccgggn ccnnccccc ccttnaaaaa 720
 nccccncccc cnttttnccc ccnnaaaaaa nggggggaaa aaaaaaattt aaaaaaannc 780
 nttttttnt ttnncccc ccnncatnta nata 814

<210> 101

<211> 756
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(756)
 <223> n is a, g, c, or t

<400> 101

tggtcccaga gtctaaatag gagccccaaa ctaatcactg tatggtagtc gaacttcccg	120
gcacttcccc gacaatctac aaccccatcc aaaggggtca gaaactggta ataaaatacc	180
agctatgagc ctntccttcc cctcaagaga tctatcaatt cggcctcacc tccccacctc	240
tagcctgcgg gaacaaacat cccaggatcc cgggcgggtt cgattgacgt tacttccggg	300
aaaagtaacc ttgcttcggc ggttgccggc ctgaaaagct ctgcgcacat ttctcccg	360
nagatctgct tgctcactgt agcgatgaca tcctcctcct cctccccgcc gcctttcggc	420
aatcttcgcc agtcccagcc ccgaccaatc tgtactcaga tggcatggat caggggtctcc	480
cctcgaaccc cgggttcgcac ggggcgtcag gtggcagcgg cgggggtgcga gctgcgcgag	540
gccnacngca gcggcactgc ggggtggccng gggcaggcca caagcantga ntgtnggccg	600
ggccgggggn aaccaccccg ngtagcggct cnantgnttc tggcctggct ttngngccct	660
tttctcccc cncanggggt tcccgggnnc ctgttncgnt tcttttaann ggggaaagg	720
gcccccccc cccngncca angccccnnn acnnnt	756

<210> 102
 <211> 804
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(804)
 <223> n is a, g, c, or t

<400> 102

tgggntgncc agcggntaac antttcacac agaattccaa ttatggggaa caagacatct	60
gaattggcta aaactccttg cagcagcaaa aaggaaaagc aaaacaaaac catacatgtg	120
gtttctgtct ttgcttcctg tcttttcttc cacttactc ctcttcccc tcccccttcc	180
ccttccccctt ccccatcttt gctacaaaa aaaaatctag agaagccttc tattaacctg	240
aacccttaa agaagtcaga acaaaggcac cacttgccgc tttttgggat gtcgtgtttt	300
ctttatggag ttttcaagag taatgggcag atgcttttag gtctacagtt ctgctttcct	360

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gtattgcact acctgattct ttgacttttg gagataccag aaattacctt gtaccatgag      420
aggatttggc tttggcatgt gtaatggcag atgagagcta caaagttaag agtgggctgaa      480
gatggtttac atgaagtggc cttaggtggc ttagctgagc tcccaggaag ttgttgtcta      540
ggatcccaat tctagttcag aggtgcattc ctattattat tatcattact attgggtggcg      600
ntgntattat tttgagacag agtcttgctc tgttaccca ggctggagtc ctctggcacc      660
attacgggtn actggagcct naanttcag gctncagaga tcctcctttt annttcnnag      720
tagtgggacn canangnngg nccccccaa cnnannnatt tttgnncttt tgnaanaann      780
gggtttgntt tttngncnnn ntgn                                             804

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<210> 103
<211> 795
<212> DNA
<213> Cercopithecus aethiops

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<220>
<221> misc_feature
<222> (1)..(795)
<223> n is a, g, c, or t

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<400> 103
ggnattgncn agcggntaac aatttcacac agnaattctg gagttagggt gtctgggcta      60
ttcaattagt ttctatgtgt ctgacacatg gcagaaactt attaaatgct tgaatgaata      120
cataaagcaa gatgacagtt tcagaatgna ccaggtaatt caaagtactg aatccatatt      180
aaatttattt tagtctacac agaagtgaag taacactaaa atctgggcat ttaccagggtg      240
atggcaagta ttcatttcca tcatccagcc cgttacctgg cacatagtta ctgccctatg      300
taaagtctta tcacagcaat caatcaatga aatgtttttc tcatagagtt cgggtgaataa      360
ctcacgacag catactcaca gaggattcaa agagtatttg acttgatat attgttttaa      420
acagttggaa cctgataatg cagttttcta aaatacagtg aaagggcttg tcctaaaggg      480
catgtcagga tatgtgtgag aaaggatgaa cttgtcctgt gaagacaacc ttgcattagc      540
tctagcagaa tgagccattg cctacctggg ctggggaagg cggcacctca gtatctcct      600
cacctgctcc ctggcacttt aaatccctct gtgaagangt cagttgtaat tttcagtaag      660
attgaagggt tcaaagcact gaccctggg gggaatggat tngcttaagt tggctctgaa      720
ngaagnggct gggatnngct ntctganaaa cccgggattg tgaggnaatg gagacngccg      780
ggagggttna anaaa                                                         795

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<210> 104
<211> 641
<212> DNA

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<213> Cercopithecus aethiops

<220>

<221> misc_feature

<222> (1)..(641)

<223> n is a, g, c, or t

<400> 104

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tgggggnacc cagcggntaa cattttcaca cagaaatctc attcaatgaa ctgttatggg      60
gtctcacatt gtaccaggca ctggggattc agcttccagt tcatagtctg catgcaaacc      120
gacatgcagg tagacatgca gacagaaaat cggaacgcaa cacggtaagt gctatgctag      180
agaatgagaa ggactgtcag taatcacaac cacctttcac tgggttcctt cagtgtgccca      240
ggctcgtgta cattattttg tttagtgtc acaattgtat ggactgtgta ctatcatttg      300
ccagattata tggatgaaga aactagactg aggggggttaa ataactcgtc caagatcatg      360
cagacaaaaa accacagaga ttattttcca atacaaactc tctggctgta cagctcaagt      420
tcttaaacac tgggccaacc agtctgaatc tgagaggagg cattctaagg cttacaggta      480
agtgggaatt gaaaggggtg agggaagcct tctggaggag atgccattac actgaatggt      540
gaatgagtag gagttagcta tctccagagg ggtagtggct gtgaaggggc gaggggtana      600
gggtgggaag gggatgatgg aaggtggtag agtggnnaca g                               641

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<210> 105

<211> 757

<212> DNA

<213> Cercopithecus aethiops

<220>

<221> misc_feature

<222> (1)..(757)

<223> n is a, g, c, or t

<400> 105

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cngncttgcc aacctacagg tggggtcttt caagatctgc tgacagtgaa gctaaatctg      60
gcggaagcaa aggattcact ttctcataat ggattaactc atcctatttg cctcttaaac      120
aatgggtatt ttaaagacag aagttgaagg aagtccaagt atccaatttt aaggatgcct      180
attagagcag ttataagaga gtgtctctct ttctctctct tctttcttct tcttggtagg      240
agtatgcagg aggtcattta aaagccagat agtgatacaa atcacaatgc agaaaaacat      300
ccccgtggac tcttcctgt cctatgtttg acattcttaa aatctatgtc ccaggctctg      360
aaatctttta ataatctacc atgttctttg gctgacctg ggaaatctat ttcagtacca      420
gagctatgct ggttacacac cttttctgac tcatgttccc aagtgatttt attccagata      480
cgatttgggg acagttacgt gtactgttct gatatcttcc taaaaggaaa ttatttttgg      540

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aagtaaagtc actgataaaa tcanctcagg aaaatgcact ttgtaaatat taaaatataa 600
acttttttnaa ggncttgctg gaaaanacta attgattttc ctgggnagca gttccatnga 660
acancgatng atcttttaggg ggnagtgaan ggcccnatt tgaaaaangg gggcgggaaa 720
ngttcaaata ntttttccaa angggnnctt anntnnt 757

<210> 106
<211> 640
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(640)
<223> n is a, g, c, or t

<400> 106
ttggggnanc gagcggntaa cattttcaca cagaaattca ttcaatgaac tgttatgggg 60
tctcacattg taccaggcac tggggattca gcttcagtt catagtctgc atgcaaaccg 120
acatgcaggt agacatgcag acagaaaatc ggaacgcaac acggttaagt ctatgctaga 180
gaatgagaag gactgtcagt aatcacaacc acctttcact gggttccttc agtgtgccag 240
gctcgtgtac attattttgt ttagtgctca caattgtatg gactgtgtac tatcatttgc 300
cagattatat ggatgaagaa actagactga gggggttaaa taactcgtcc aagatcatgc 360
agacaaaaaa ccacagagat tatttttccaa tacaaactct ctggctgtac agctcaagtt 420
cttaaactact gggccaacca gtctgaatct gagaggaggc attctaaggc ttacaggtaa 480
gtgggaattg aaagggttga gggaagcctt ctggaggaga tgccattaca ctgaatgttg 540
aatgagtagg agttagctat ctccanaggg gtagtggctg tgaangggcn aggggtaaag 600
ggtgggaagg ggatnatgga aggggttnaa tnggnncnng 640

<210> 107
<211> 818
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(818)
<223> n is a, g, c, or t

<400> 107
ttggggacca gcttgccaat tctacagggt ggggtctttca agatctgctg acagtgaagc 60
taaactctggc ggaagcaaag gattcacttt ctcataatgg attaactcat cctatttgcc 120

tcttaaaciaa tgggtatttt aaagacagaa gttgaaggaa gtccaagtat ccaatttttaa 180
 ggatgcctat tagagcagtt ataagagagt gtctctcttt ctctctcttc tttctttctc 240
 ttggtaggag tatgcaggag gtcatttaaa agccagatag tgatacaaat cacaatgcag 300
 aaaaacatcc ccgtggactc ctccctgtcc tatgtttgac attcttaaaa tctatgtccc 360
 aggtcttgaa atcttttaaat aatctaccat gttctttggc ctgccctggg aaatctattt 420
 cagtaccaga gctatgctgg ttacacacct tttctgactc atgttcccaa gtgattttat 480
 tccagatagc atttggggac agttacgtgt actgttctga tatcttccta aaaggaaatt 540
 attttgggaag taaagtcact gataaaatca actcaggaaa atgcactttg taaatattaa 600
 aatataaaca ttattaaagg ccatgctgta aaaatactaa ttgattttcc tgggtagcag 660
 ttacaataga acancgatng atctctaagg ggagagtgaaggaggacctcan tttganaaac 720
 gtgaggcagg aaaagnttca aatnattatt tncaanaggg ntccctaagt tgttncttaa 780
 anaaaatttt tttcntnaaa aaaaaacnnt aanggccca 818

<210> 108
 <211> 608
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(608)
 <223> n is a, g, c, or t

<400> 108
 ttggggaccct gtcagaccan ttttactcat atcggatccc ctgaggctcg gagatcaaga 60
 ccaccctggc caacatgggtg aaaccctgtc tctactaaaa tacaaaaatt agccaggcgt 120
 ggtggcaggc gcctgtaatc ccagctactc aaaggctgag gcaggagaat cgcttgaacc 180
 taggaggcag aggtggaagt gagccgagat cataccactg cactccagcc tgggcatcag 240
 agccagactc tgtcgcaaaa aaaaaaaaaa aaaaaaaaaa attagctacc tctcccatcc 300
 anaaatgaga gtcgaggctt ctgacttccc gggctcaatt tatcctcccg cctcagcctc 360
 ttgaggaact gggactacag acgtgcacta tcacacttgg ctaatttttt tgagatgatg 420
 tcttgctctg tgcccaggct ggagtacagt gacacaatct cagctcactg caacctccgc 480
 ctntctgggtt caaccgatcc tnttgcttca gcctcccaag tagctgggat tacaggcgtg 540
 ccccacaacg tccagntatt tttgtatttn aagnagagac nggggnnncc cctgttggnc 600
 ngggnggg 608

<210> 109

<211> 516
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(516)
 <223> n is a, g, c, or t

<400> 109
 ngggancctg nccagnacct ttttactgca tateggatcc tgagaagctc ctgattttcc 60
 ctcaagccta aggcaaagta gtattcagaa cctcctatcc cactgactcc gagagcctgt 120
 cctccgatat ctccaagaga gcctatcctc cgataggagg ggaagcccct ccaacctgca 180
 ggtatcctcc ccagactcac catttctccc accccacact ggtggcttcc aaactttccc 240
 tctcataaca aggcgccttg tcaccagac tgcttcctc ggcttgagga ggaggggaag 300
 gcgcacgaag taggaaggaa cttggggaga gggcgggcgg aggggtgggcg aagcactgag 360
 gggagggcgg tgaagaaggc agaagtcagg cagtgaagg gagaaagcggc gggggcaggt 420
 gagggcgggg gagtggggat ggggccgggg aaaggggccg agaggacgcg gagggggcag 480
 aggtagggna caggagggga ggggaggggg agggcc 516

<210> 110
 <211> 802
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(802)
 <223> n is a, g, c, or t

<400> 110
 tnnggggaacc tgccagacct tttttactca tateggatcc ttattgcctg gctatttcag 60
 cctgggaggg gtttggtggtg aatatccctg gggaggcagg ctctcagggc taaaatagtg 120
 ggagaaaaga ttaaaccctt aggaactgg tacacatcag cgctaagtgt gactcaggga 180
 gaaacaagaa ctaggacact tattactcca aaggagttgt atttggttca actcttgat 240
 tttcttatta aaacttttgc aaagtgggtt gagaagaaag tgttacttcc agtgttacac 300
 cctcaacact ttttcctgtg gagactccag catgttcatt atgttttctg aagccatggc 360
 actgtagtac tctttcattg ttgttattat tatttaataa tataaaatga gacatttttg 420
 ctccattttt cattcatatt ttgtcctaa ttacttttta aatatattct ggtgtcaggt 480
 caatatttat agtctaacgt ttaagactta gactttgggt cttaggatgt tatttttgaa 540
 tcagctgcgt ctggtaagggt aatagatatt gaaagtgcct tgtaaattgt ccagtggcat 600


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aaaagtattg tcatatcttt atgacataaa agaaaantgt tttcttcttt ttagcatgga      660
aaactttaca anccatttgc tgggtgaacngg ngangncctn ggggttggat ttcattgattt      720
tggggtccct tgagggtcca aantacnntt ctaanagnngg aaanttttca nnaattcatg      780
antgncctna ttnaaanann tt                                              802

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<210> 111
<211> 851
<212> DNA
<213> Cercopithecus aethiops

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<220>
<221> misc_feature
<222> (1)..(851)
<223> n is a, g, c, or t

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<400> 111
tactttttttt tgggggnncc aagncggnta acattttcac acagaaatct ccaagtccn      60
naggaccgca gnatcctccc cagaaccctt gngaccaagt cactgtgggtt ggntgtgctg      120
ggcatccctg agggccagcc actcaacttt actggctcca ggattctata gaaagggaaa      180
ggggtagaaa atctcaaaag gcttcttctt ttcagggagg gggttccctc tcageggctt      240
ctggaatctc taccactctc agccgacttt tgaggccatg tggctctgga acaaggcccc      300
tctgagggcg gcagatgggg caggcggccc aggcacacag catggttggc tctgcggccc      360
aggggccaca aaagccttat tgagtcacca ccagcccccg gcagaggctg aggtggcagt      420
ggcgccgagc gcctgccacc taatgactgt cctggcacag ccagatgttc cgcagacctc      480
cggagcagcg ggaccaaggg cccgcccggg ccagccggca ccngannagg ccacttttaa      540
tttccaatta accagntttc agnntgancn aaanaggggg gcagtnggtg gnccaccccc      600
cgggcnagta ngccccggcc cnaaaaannc cttncgaagt tntaanactn ccanatntga      660
aaccnccacc nccngaatt ccnatggaa aaantggccc ccagccangg gcaagggnnt      720
gggncctttc ttttcttttg aaaaggaaat tttggttntt ttnacnaagg cccccaang      780
aaccnctatt t                                              851

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<210> 112
<211> 773
<212> DNA
<213> Cercopithecus aethiops

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<220>
<221> misc_feature
<222> (1)..(773)

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<223> n is a, g, c, or t

<400> 112

cagcttgcca antttacagg tgggantctt tcaagagcag taaaacgacc tatccaagga	60
aactcagcta gtaaaggcag ggacagggtg tgcaggctc tcggaactca cgagtcctccg	120
ccaggcgcag gcccgctctt tcccccggt gggcgtggcc aggccaggcc cgtccctcc	180
cctgagcgcg ttctggcag cccggccggc cgttttctgc ctgcgtcgtt gggcgcgcgg	240
gcgggcgggc agcccatctg gcggcccccg cggggcggcg cggggaggcg gccagactt	300
gctggagcca ggcgcttgc cgggggcccc cctgcccgcc tggagaacct aggtgtggcc	360
gcggcggggg tggggggtgg tgctttctt cccgctcgtt cggctcttnc tgacgcacga	420
gggcaggatg cagcctctc ccgtcctctc ctggcctcc gcctcccgcg ccctggccccg	480
gaatcctgga gggaatccaa acgcggggcg gggaggccgg ggcaggcccc tgaggccccg	540
cccctgatag ccatttaata ccaccgcaag tcttgaccgt atttttgggg tgaccanct	600
tccctgcttg ggcaagacca gctgaactct gacctnctgg anggccgatt ttaccttgc	660
cctcaggac ccnaaatga tcgtaggaa cngnntcact actgctgtaa gccanancgc	720
ttganatatn caattattca gcggnntcaa gtcccgaag cggnttttna cna	773

<210> 113

<211> 807

<212> DNA

<213> Cercopithecus aethiops

<220>

<221> misc_feature

<222> (1)..(807)

<223> n is a, g, c, or t

<400> 113

ttggggtgc gagcgntaa cantttcaca cagaattctt cagtgaattt cttaaagccct	60
gagcatcttc tttgtattct gctttaagaa cttgtttgtt tctgtatttc atactcagtg	120
gctctggcgc ttggatgcc tgggtcccaca gaaggccttg aatactgaat ctgaggatgg	180
ggcttgctta taaggacctt actccctgtc ttaaccagat tgtgttttaa cctttcatct	240
cactttttac ttttcattca tggatagtgt ttgtcactgt gtgtgtgtgt gtgtgtgtat	300
gaatgagtga atgaatatct ctacactct aaattctttt aaaggcagga agtactgttc	360
tcttgtttgc tattttatcc actctgcctc tactgggtct ggcacataat aaagaaagaa	420
tgaacaggac aaacacccat tctgaaagtg aacttctctg gcaattgtcg tttgtacata	480
ccagctggag catagacaat tggcttttaa tgtggtaagg gaaaaggcca aaaaaagaat	540
cgtcattgac caagggttc accagatgat tttataatca ntccnaaagg gnttttnaan	600

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aaaaaaggcc ttngaggaac aaatttnttc cnnntggaaa antgntttna aattttntn      660
gaaaaagttt tnanaatttt tgnaaaaccc ccnccccnnt gaaaacntnt aaancnngna      720
annngnnnng ggcgggggtt naaaaaaaaa aantncccc cnnnnaanng ggnctttnaa      780
aaannnnngn ntntctaaaaa aangggg                                           807

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<210> 114
<211> 836
<212> DNA
<213> Cercopithecus aethiops

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<220>
<221> misc_feature
<222> (1)..(836)
<223> n is a, g, c, or t

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<400> 114
ttggggacca gcttgccaan tctacaggtg gggcttttca gtatgtgtca agagtcagaa      60
tttaaagaag ataagaaaat taaatacact gagaacaatg catctcntga cattcaaaat      120
atgtaagtgc agcaaccagc agtaattcca taggcctttt atcaaccttt gccaaaacct      180
ataaaaagaa tatctaaaat tgctttttta tgaaagtacc tatttattct tgtttccctt      240
accagagagc ctgctttccc cttactgatg agaacacagg gggtcctggg taaagagtcc      300
ataanattta aaaaggagta tgccttggcc tcccatgacc ctcttacttc acaataaggc      360
catcttttac ctgggttaga tttgcagact aggtccatta gatacgttgt cattaaatac      420
ctatactata ccctaataat tgtaatcttg acaggattta ttttcatttt atagacagat      480
ctaggaaaat tacatgactt atcggaatcc cttcaaatat cacagagcaa agtcatgatt      540
ttaacttggtg tttgccactc tgaaactcac actggaattc gagactagtg tgcgtaacat      600
ggcgaaaccc catctctatt tntntttttc aaaatntntt tttccaaaat ttgctggggg      660
tgttggtgtg tgcctgtant ncagcctnct tgggaggctn aanngngnga cngcttgacc      720
ctgggngnaa aggctaaatn gnctttnttn gccctggan ttaaccnngg ggaaaaangg      780
aaccctntc aaaataaatt ttaaattaa naangccnag gtttcccna aaaaat           836

```

```

<210> 115
<211> 839
<212> DNA
<213> Cercopithecus aethiops

```

```

<220>
<221> misc_feature
<222> (1)..(839)
<223> n is a, g, c, or t

```

```

<400> 115
ttgggananc gagcggnntaa catttttcaca cagaantcca gtgtgagttt cagagtggca      60
aacacaagtt aaaatcatga ctttgctctg tgatatttga agggattccg ataagtcattg      120
taattttcct agatctgtct ataaaatgaa aataatacct gtcaagatta caaatattag      180
ggtatagtat aggtatttaa tgacaacnta tctaattggac ctagtctgca aatctaaacc      240
aggtaaaaga tggccttatt gtgaagtaag agggtcattg gagggccaagg catactcctt      300
tttaaatttt atggactcct taccaggac cccctgtgtt ctcactagta aggggaaagc      360
aggctctctg gtaagggaaa caagaataaa taggaacttt cataaaaaag caattttaga      420
tattcttttt ataggttttg gcaaagggtg ataaaaggcc tatggaatta ctgctgggtg      480
ctgcacttac atattttgaa tgtcttgaga tgcattgttc tcagtgtatt taattttcct      540
atcttcttta aattctgact cttgacacat actgaaagac cccacctgta ggtttggtgaa      600
gctagctgag gatcgtttcg catgattgaa caagatggat tgcacgctgg ttctccggcc      660
gcttgggtgg agaggctatt cggtatgac tgggcacaca gacantcggg tgctctgatg      720
ccgccgtgtt cggtgtcan cncagggcnc ccgntttttt tgnaanaccn nctgnccggg      780
ccctnatgaa ctgnngacaa ggcacccggt ttntnggttg ncnaaanggn gtttnttgc      839

```

```

<210> 116
<211> 815
<212> DNA
<213> Cercopithecus aethiops

```

```

<220>
<221> misc_feature
<222> (1)..(815)
<223> n is a, g, c, or t

```

```

<400> 116
tnggggacca gcttgccant tctacagggtg gggctcttca gtatgtgtca agagtcagaa      60
tttaaagaag ataagaaaat taaatacact gagaacaatg catctcaaga cattcaaaat      120
atgtaagtgc agcaaccagc agtaattcca taggcctttt atcaaccttt gccaaaacct      180
ataaaaagaa tatctaaaat tgctttttta tgaaagttec tatttattct tgtttccctt      240
accagagagc ctgctttccc cttactgatg agaacacagg gggtcctggg taaagagtcc      300
ataaaattta aaaaggagta tgccttggcc tcccatgacc ctcttacttc acaataaggc      360
catcttttac ctggttttaga tttgcagact aggtccatta gatacgttgt cattaaatac      420
ctatactata ccctaattatt tgtaatcttg acagggtatta ttttcatttt atagacagat      480
ctaggaaaat tacatgactt atcggaatcc cttcaaatat cacagagcaa agtcatgatt      540
ttaacttggtg tttgncactc tgaaactcac actggaattn tgnggggaaat nntatccgnt      600

```

canaattccc ccnacatgag cgtnanaccc cgaaaaaaga acaangatnt ttttggaaacc 660
 ntttttttttg ggggnaannng gngnngnaaa aaaaaaccnc cnntncnacg ggggtttgtt 720
 ggcggganaan aacnccacct tttttccnaa ggaaangntt tnaaaangcg aanaccaaaa 780
 ntgtcntttt gnnnggccgg gttgggcccn cttna 815

<210> 117
 <211> 792
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(792)
 <223> n is a, g, c, or t

<400> 117
 ttgggggganc gagcggntaa cattttcaca cagaaattcc cgacctcaag tgatatatcc 60
 accttggcct ccaaaagtgc tgggattaca ggcattgagc accgcgcccg gccccttcat 120
 gcagttttctc tcactccttt cagaatcgag gagtctgcta ttccatcgac atctaacca 180
 ctctctctaaa ccagcctgca atcccagctg gagaactaca atccaatcag ggattaaatc 240
 taaattcctc ccatctgac actgggatcc ctaccattc aactccccctc ctctccaga 300
 aatgttacca atcccctaaa gcctccaatc acctgttgag ccaccagcca agcgcttact 360
 aatccctgtc tccaagctc agacactccc tgtaattgat ggacacgcag cattgggagc 420
 tttcacattg agctcttact ttgaaacttt gaataagaaa agagctgaaa aaagcagatc 480
 tccaatctc ggtgaaactg tagttaaaact ccaagtagaa taccccaata aatggatang 540
 aatganaaat ctcatatggg ttatatangc antatttana aattttggaa ttataggnt 600
 anggatncaa acttnnanan tantattcca ttgggnntttg gngcnccna ngntaaanaa 660
 gttnnccnct canaaggaaa nggggnggggt nangggtan ncnnaancc annttttggn 720
 ggntnggnnn aaantttttn ggnccaantt naaanaaann tnntnaaaaa aanggnccn 780
 tttttnaaaa aa 792

<210> 118
 <211> 838
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(838)
 <223> n is a, g, c, or t

```

<400> 118
gggnaaccga gcgntaaca ttttcacaca gaaantcgga aagtaaagcc aatcttagag      60
gctgcaggag gtttgggggc agtatctgat tcagacgctg gctaacgttt cacgatcgcg      120
ttcccttttt tcttccaact cggtaagtaa aaaggcaaga tgagaaattt acgtgctgaa      180
cttaataaat agttggtgga cgtattgcct tttttttttt ttttttggtt agggatgaca      240
catctcgtga ctacagttct tttgaggaat aacttttctg ctagtttcca aatcggcacg      300
tgaccaaagt cttttcatag gattttagcg tcctgataaa aatcaatggg cagaatttga      360
ttgcttttta aaaaatgtgt ttgtcctttg gtctctggca ccattgtaat ggaaaatccc      420
tacattgcct gtactctcag aagctgtcca gtggagcaaa actagagata aagaaacctg      480
gaacgattca gttaggaact tttagaagc cagccttttag ttttcctttt agaagattat      540
gcagttatca tgattgcttc tctagaactt cagtgtgtta tttggattcc taaatctaag      600
acaatgctgn ggaagtctgg ggcttttagn attttngggc ctgctgnaga aaatcctcgt      660
ttatactaca aagtttctnt tttggaactt tnggaattgg gcattttttt nnttattatt      720
ngnatgntng antnannggc aaaactnagn naaccctttt nggtttgcct cnanccggtt      780
nttaanaaaa ngggaaaaan cctnanttta aanttttttc cacccttttt tnttttnt      838

```

```

<210> 119
<211> 820
<212> DNA
<213> Cercopithecus aethiops

```

```

<220>
<221> misc_feature
<222> (1)..(820)
<223> n is a, g, c, or t

```

```

<400> 119
ttgggganct agcttgccaa ntctacaggt ggggtctttc agtggggggc tgtcctgtag      60
gttatagaat gtttagcagc aaaaattaaa aattaaataa caaaaataaa aataaaaaag      120
aatgttttagc agcatccctg gcctctaccc actagatgtc agcagcacct cccttgcccc      180
caggtgtgaa caaaaaatgc ctgcagacat tgccaaatat ctctaggag gacaaaattg      240
tcctctcttc cacttgagaa ctattactct aaaattaccc agatctgctt tgaatccccg      300
ctccacccca tcacaacctg ggcatcttg gaaaacagac tgaaccttcc tatgcccccc      360
gcaaattcct caactgtaac atggagctct tgctgaagaa atgctatgaa aattaaatga      420
aatgatgtac gtacaggatt tacacgcaca gaatattcac cgcgccagag tgagtgtca      480
ataaatggtc agaaatgagg ggaggctaaa aaaaaataat ttcgagaact caaaaatcct      540

```

atcttttaggc ctccagagta ctgtagtcta gacagaagaa atgggttgaga tagaancaaa 600
 agagatgaga gaggttgga aagaagtgat agaactaagg tattattccc cttatctctt 660
 aagaacccgg cttggagtca aagccaatag agggctctact tagttttgnc tattactcta 720
 ctttcaaata taacgaaaat tgcccaaacc caaagtntcc aaaaaaact ttnnnntnan 780
 cggggatttc tncncggncn aaaatcta nccccnctnc 820

<210> 120
 <211> 797
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(797)
 <223> n is a, g, c, or t-

<400> 120
 ttgggggtgc gagcggntaa cantttcaca cagnaattca gctgatgaat gcagatatga 60
 accgatgggt caagagctgt agacatacat acctagttta ccacactgat cttcttagta 120
 taaaaaaaca agcgttacta agaaacatct actttcagca aatggacatg accagaatga 180
 tacatagaat gatgcaagaa atttcactct accattcatt ttaatcttta cagtaacagg 240
 atgattgcta tctcaatctg tcattttacc tttttttttt ttttcagaag ttaaagtgt 300
 tccatacaag ttcaacttaa cattgttaag tgcaaagtta acagtgtaca ctttggagat 360
 accttttttag gtagaaaatg attttttggt ttctaataag ttttccaag taatattaaa 420
 gaagggttaa tatgtcattt acttgagaa aacagaaaac catgagaaaag tttgggaaaa 480
 tgctatatatt cagagcttaa tatattgaaa cagtaagtaa gacaggaatt ggctaccttt 540
 taagaacggt taaaaaata caaactgann ggaatgcttt tggcaatnaa aatntgacnt 600
 gaaacattca atggcnnaac attcaanaan gnttnagana tcntncctt tancatcaa 660
 natngttttg ncgncntctc aaaaaantgt ntnttttaaa aaanttaggg ntaaaanttt 720
 ctggnagntt nattaanctt tttttgncc ctnaaatntt nccnaaagt tcnttnanca 780
 aaaaaaatn cttttttt 797

<210> 121
 <211> 828
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(828)

<223> n is a, g, c, or t

<400> 121

```

ttgggggancn gcttgccaan tntacaggtg ggggtctttca ccttcttgcc agaaacataa      60
aatgcatgag agctacggcg accgctgccc agacaaaatg ggcgcgagaa cctgggttag      120
cgcaggcgcc ttggaaagac cctgccccgc ccccgtagaa gcccttggt gcaattctgg      180
gttccgtttc catgggacac tccgcccga atcctcgtgc cgaactgctc ttctgaccc      240
ctcaattcac caatcagtgc ccagtcaagc acatccggag tcgtctctac caatcatttc      300
tcaagacttg cttactcaat aaccaactct ccaataacgt tgggtcttcgg aaaaagccaa      360
tcataagtgg aagatgtcct acctgctgtt ttctgcacca atccatgaag ttctagagct      420
acatccaatg aggacggcag gtagcgaggt cctatccgaa gctcttcggc gtcatgaaca      480
gccaatagga gttcgtgtag aagcgaggtc gctcaacagc ttgttatttg gtggattgtg      540
gcagtaaatac ggggagagtg gggaaccggg cgcaggaact gcagccggcg ttgggagtg      600

cgcacttnac ccgcanttg taggtggggg agaggggaat cngggggatn ctgaatggac      720
aaancggnan cggcagcaan tgntgntgcc cgggtncggg tgcaantnga aacntttggn      780
gtggggaang ggattctagg caanggnccc gcnanccna aaaaaggc      828

```

<210> 122

<212> DNA

<213> Cercopithecus aethiops

<220>

<221> misc_feature

<222> (1)..(842)

<223> n is a, g, c, or t

<400> 122

```

ttggggancc tagcttgcca antctacagg tggggtcttt caccttcttg ccagaaacat      60
aaaatgcgat ggagctacgg cgaccgctgc cgagacaaaa tggcgccgag aacctgggtt      120
agcgaggcg ccttggaag accctgcccc gccccgtgc aagcccctgg ctgcaattct      180
gggttccgtt tccatgggac actccgccc caatcctcgt gccgaactgc tcttctgac      240
ccctcaattc accaatcagt gccagtagc gcacatccgg agtcgtctct accaatcatt      300
tctcaagact tgcttactca ataaccaact ctccaataac gttgggtcttc ggaaaaagcc      360
aatcataagt ggaagatgtc ctacctgctg tttttcgac caatccatga agtttcagag      420
ctacatccaa tgaggacggc aggtagcgag gtcctatccg aagctcttcg gcgtcatgaa      480
cagccaatag gagttcgtgt agaagcgagt ctgctcaaca gcttggtatt tgggtggatt      540
tggcagtaaa tcggggcgag tggggaaccg ggcgcaggaa ctgcagccgc ggttgggagt      600

```



```

ggtgctgccc ggacgggggc cccacggagg tcagagggga ggaggactct ggagctgaca 660
gcgcgcactt caccgcagc tggtagggtg gggagagggg aatcgggggn annctgaatg 720
gacaaancgg cacgggnagc aantgntgnt gcccnnggggt cccggngcaa ttggaanctt 780
ttggaggtgg gggngangna ttctagccaa ngggcccnnc nagcccaaaa aaanggggcc 840
nc 842

```

```

<210> 123
<211> 815
<212> DNA
<213> Cercopithecus aethiops

```

```

<220>
<221> misc_feature
<222> (1)..(815)
<223> n is a, g, c, or t

```

```

<400> 123
ttgggnaacc gagcgntaa cnttttcaca cagaaantcc caggctccat gcctgaatag 60
ctgggactac aggcacacag aatcatgccc atctaccttt ttattttttg tagagaagag 120
gtctcactat gatgcccagg ttggtctcaa acacctgtac tcaagagatc ttcccacctt 180
ggcctcccaa agtgccagct ttacaaatgt gagccactgt ggggtggccat gaactcttcc 240
aatgaccctt tttcaaaaaa atatttcaac tattcaatgt gagccaagga tgtgccagac 300
atttgctaga tgctatgaat aaaatatgac aaagattcag tctttgtccc catggacttt 360
atagtctagt agtagatgag actcataagt aatatctagc caaaaataaa aattactgta 420
ttatgggaga ataagaatat ggtactaatt tcttcagtgc caatgtatat cttttcatgt 480
tcttgttcct tggattctca caacaattga tgaaaaatgt aacactggat ttgagtttgt 540
agtcttattt tccaacatga tgaagttggt attaagtgtg agatgatcaa gggagactca 600
ggaagcagtg ggtaacctca gctaaaagca aacagatagt atattggaag atgaggtaaa 660
caaagagagc aaagctttat gaatctgggc taaaantcag ctataagtnt tcgcanatcc 720
angagaactt tncaacagnt tncaattgaa ancctttttag tttttaaann cctntttttn 780
caaantgnen aaannnttaa caggnttgna atncc 815

```

```

<210> 124
<211> 823
<212> DNA
<213> Cercopithecus aethiops

```

```

<220>
<221> misc_feature

```

<222> (1)..(823)

<223> n is a, g, c, or t

<400> 124

```

ggnnnttgcca gcggnntaaca atttcacaca gaattcaaac tccagcttta ctaccctgtg      60
accttgggca ggtcacttca catttctcag gctgggttcc agtctggctg cctttgggga      120
ggggacctgg gtttgcagga agaaaacttc cttacactga ataattattg ccttggttaga      180
aatttttttac catgtgcaca tattactttt cctaaatatt tgcacccaat ttaattgatt      240
taattgggga aaaaatgaaca taggaaaaat aatgacctct tcctcagggt tattaaaagg      300
tttcaaaata aagtatgtag ctagtaaagg tgcatagtat atgcttaatc aatagagtgg      360
tgacagggtg gagggagggt ggaggcaggc tcattcctgc cctggggccc agaggagaac      420
atgtggtaca gaagtcccag cctacagcca gctcctagca ttaaggcagg tgcccattca      480
gctagagcct canggggggt cnagttgagg gagctgctcc tancctggnc cccatgcctt      540
ttncctttgtg gtggancctt aagaagcccn ttttctgan naanncctgg gnttananaa      600
ttcacctttg ncaattacca agnncccggn gnaattntcc ntnttggng aaaccnttn      660
nntttaaggg tgnntntng ggattngnac cnnnttttg gggcncccc ngntttttn      720
ttttnttnn aaannccnnn aaaanaaaaa aaaaanntnn gngnccnaa anncccccnn      780
ggggggggaa aaaaaaaaa antttttccc cccccccnc cnc                        823

```

<210> 125

<211> 691

<212> DNA

<213> Cercopithecus aethiops

<400> 125

```

cctaattcac caacccccaa ctactatagt gggagcctga ggtcacagca tggccccccc      60
gtgttgtag aaaaatctcc acaggattct cccactgttt cctaagtgtg ctctgggac      120
ctccgtgact agtgtggaat tttgagccag tgatttctcc ccacaggttt caattaaatc      180
atctgtcaaa tgaggatgac cacatcttct ttacctcacc actgagctgt gaaatgaacc      240
agaggcctta ctttttcccc ctgaactccc agtcacctt ggaacaccaa tttgaacatc      300
atctcccact ttcccagcca gttagcagct ctgtcctctg gatttcaaag agaaatgtct      360
ctagcatcat ccctgtttcc ttgcaactgt ctactttctt ttcccccca gagccaggaa      420
tgtcttaaag agaattgagat gctcccaagg ggccaccaac tcacaattag gagttcaata      480
aatactgact taagagtga tgaacgatcc ccgtgtcttt gtccacattt gtacatgctt      540
acatgattct gcaaagaatc taaatttctc ttacattaa caaacaaggg ggctgggcat      600
ggtggctcat gactgtaatc tcagcatttt tgtaaccag gacagtcctg atgaaataac      660
tgggaaagtt ctttttggg ggggtggggtg g                                691

```

<210> 126
 <211> 748
 <212> DNA
 <213> Cercopithecus aethiops

<400> 126
 ccacgcctt actattgcct tcttgacgag ttcttctgag cgggactctg gggttcgaaa 60
 tgagctagcc cttaagtaac gccattttgc aaggcatgga aaaatacata actgagaata 120
 gaaaagttca gatcgaggct aggaacagat ggaacagggt cgaccggctg accggctgac 180
 cctagagaac catcagatgt ttccagggtg cccaaggac ctgaaatgac cctgtgcctt 240
 atttgaacta accaatcagt tcgcttctcg cttctgttcg cgcgcttctg ctccccgagc 300
 tcaataaaaag agcccacaac ccctcactcg gggcgccagt cctccgattg actgagtcgc 360
 ccgggtaccc gtgtatccaa taaaccctct tgcagttgca tccgacttgt ggtctcgctg 420
 ttccttgga gggctcctc tgagtgattg actaccgctc agcgggggtc tttcagcagg 480
 gcccggggcc acagaaggaa aacatctctg tggaatgtgg aaatgcagaa ctctactggg 540
 cccgtttaga aagcacagaa aagcatggaa gaaagggaga ggcgagaagc ctagaaaatt 600
 accctagatc ttaggtatgg atatatcgac ctaaaagaaa gaagatgggg caaagttaat 660
 gcaagcagag agtttatttg gggccaagct tgaggattgc accccaggag catagattca 720
 agttgcctg aatttacact gattagca 748

<210> 127
 <211> 708
 <212> DNA
 <213> Cercopithecus aethiops

<400> 127
 gccaaaccta cagggggggt tctttcactg ccagtcagcg aaccgcgaag ccggcaggca 60
 cttcggcggt ctccagcctt tgcctgaaaa gagctcgga agctagctag aggtcagacc 120
 ccaggaccca gtcgttttag ctccaggaaa ggaagcgccg gacgccagcc tgcaagcttc 180
 actgcgcagc cgtggacacc gcccacgctc gtaggggcgt ggaccctgac aacgccggaa 240
 cccggcgctc ggtgcgtgcg cttggcggac cagaatggct aacgtaccgc catgccgcga 300
 ggcccacgta gaggcggaag ttgatgggac ggacgcagat gggggaacct tgccctgatg 360
 gcactttcct gtccgcgact ccgccccgc cagaggggct aggtccggg tttcaagatg 420
 gaggcgctga gtcgagctgg gcaggagatg agcctggcgg ccctgaagca acacgaccct 480
 tacatcacca gcatcgaga cctcacgggc caggttgctc tgtacacctt ctgccccaa 540
 gccaaaccagt gggtgagtgc cgcctggctc tgaggacggc cggccggccg ctgcggtctc 600

ttaaaggggc cgtgcgtggt gctgtggggt gggggacaca gcaagagcca gggagggtgaa 660
gacggggcca gggactgccg agaagccgac cagaaccaga ggggttgt 708

<210> 128
<211> 741
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(741)
<223> n is a, g, c or t

<400> 128
taacaatttt cacacagaaa ttcaatccaa caaacaanta catattattt tctaagttgt 60
aaagcctgta accgaatgag ttaattagga aggggtcaatt acaagaaagt gggaaattat 120
gctagttggt tttaaacaac taacaaagct tcaagcaggg gctaacgaga atcagtgaac 180
agactgaatg taacttttcg gaccctctcc agtgcacgaa aagccagaaa gtactgagtc 240
tgaggggaac attcagagat gacatcacca gcatcatagg tggaacaaaa cacatttaca 300
gggtctctct tgtttgtaca aaggtcttcg gggatctagt gaacatggaa gcccttttcc 360
taagtgcctt gaaatctttt ccgaaactgt gtagttcgat taaagccgga cccaccgcac 420
tcccccttcc agaatcgaa actaattgga ttttaagctt taaatccaaa tgacctctga 480
gaaaggggct ctcatttacg tctgccgggg gagaggagga gtgtttattt tatagacaat 540
gtatatgcaa tttatctaata aatccgcaaa gcctcaaaca caagctttca ggcactcttt 600
tgacccacc ggtctcataa ctcccaatgt atctgcaaag aaggcaggtc gccacgtcc 660
ccaaaccga cgccaaggga ctgatcctgc tccaatcctc cctcactggc ttttccttgg 720
ggatgtgtnc agcccacttc t 741

<210> 129
<211> 694
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(694)
<223> n is a, g, c or t

<400> 129
ccgccaacct acagggtggg gttctttcac tgccagtaca gcgaaccgag aagccggcag 60
gcacttcggc ggtctccagc ctttgccctga aaagagctcg gcaagctagc tagaggtcag 120
accccaggac ccagtcgttt tagctcaggg aaaggaagcg ccggacgcca gcctgcaagc 180

ttcactgccc agccgtggac accgccccac gtcgtagggc cgtggaccct gacaacgccg 240
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cgaggccccc gtagaggcgg aagttgatgg gacggacgca gatgggggaa ccttgccctg 360
atggcacttt cctgtccgcg actccgcccc cgccagaggg gctaggctcc gggtttcaag 420
atggaggcgc tgagtcgagc tgggcaggag atgagcctgg cggccctgaa gcaacacgac 480
ccttacatca ccagcatcgc agacctcagc ggccagggtg ctctgtacac cttctgcccc 540
aaggccaacc agtgggtgag tgccgcctgg ctctgaggac ggccgctccg gccgctgcgg 600
tctcttaaag gggccgtgcg tgttgctgtg ggggtggggga cacagcaaga ggccagggga 660
ggtgaagacg gggccaaggg actgncgaaa agcc 694

<210> 130
<211> 678
<212> DNA
<213> Cercopithecus aethiops

<400> 130
ccctttactg ccagacagcg aaccgcgaag ccggcaggca cttcggcggt ctccagcctt 60
tgcctgaaaa gagctcggca agctagctag aggtcagacc ccaggacca gtcgttttag 120
ctcagggaaa ggaagcgccg gacgccagcc tgcaagcttc actgcgagc cgtggacacc 180
gccccacgtc gtagggccgt ggaccctgac aacgccgga cccggcgctc ggtgcgtgcg 240
cttggcggac cagaatggct aacgtaccgc catgccgca ggcccacgta gaggcggaag 300
ttgatgggac ggacgcagat gggggaaacct tgcctcgatg gcactttcct gtccgcgact 360
ccgccccgcg cagaggggct aggtccggg tttcaagatg gaggcgctga gtcgagctgg 420
gcaggagatg agcctggcgg ccctgaagca acacgacct tacatcacca gcatcgagca 480
cctcacgggc caggttgctc tgtacacctt ctgccccaa gccaaccagt ggggtgagtgc 540
cgcttggtc tgaggacggc cgcccgccg ctgcggtctc ttaaaggggc cgtgcgtggt 600
gctgtggggg gggggacaca gcaagaggcc agggaagttg aagacggggc caagggaact 660
ggccgaaaag ccaagcca 678

<210> 131
<211> 712
<212> DNA
<213> Cercopithecus aethiops

<400> 131
cccgccagcc tacagggtgg gtcttttact gccagtacag cgaaccgcga agccggcagg 60
cacttcggac ggtctccagc ctttgcctga aaagagctcg gcaagctagc tagaggctcag 120

accccaggac ccagtcgttt tagctcaggg aaaggaagcg ccggacgcca gcctgcaagc 180
 ttcactgcgc agccgtggac accgccccac gtcgtcgggc cgtggaccct gacaacgccg 240
 gaaccggcg tccggtgcgt gcgcttggcg gaccagaatg gctaacgtac cgccatgccg 300
 cgaggccccac gtagaggcgg aagttgatgg gacggacgca gatgggggaa ccttgcctcg 360
 atggcacttt cctgtccgcg/actccgcccc cgccagaggg gctaggctcc gggtttcaag 420
 ttggaggcgc tgagtcgagc tgggcaggag atgagcctgg cgccctgaa gcaacacgac 480
 ccttacatca ccagcatcgc agacctcacg ggccagggtg ctctgtacac cttctgcccc 540
 aaggccaacc cagtgggtga gtgccgctg gctctgagga cagccgcccc gccgctgcgg 600
 tctcttaaag gggcccgtgc gtgttgcgtg ggggggtggg gaacacagca agaggccagg 660
 ggaggtgaag accggggcca gggacctggc gaaaagcccc aaccagaagc cc 712

<210> 132
 <211> 738
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(738)
 <223> n is a, g, c or t

<400> 132
 gccagcctac aggggggggt ctntcactgc acagtacagc gaaccgcaa gccggcaggc 60
 acttcggcgg tctccagcct ttgcctgaaa agagctcggc aagctagcta gaggtcagac 120
 cccaggaccc agtcgtttta gctcaggga aggaagcgcc ggacgccagc ctgcaagctt 180
 cactgcgcag ccgtggacac cgccccacgt cgtaggggccg tggaccctga caacgccgga 240
 acccggcgtc cgggtgcgtg gcttggcgga ccagaatggc taacgtaccg ccatgccgcg 300
 aggcccacgt agaggcgga gttgatggga cggacgcaga tgggggaacc ttgcctcgat 360
 ggcactttcc tgtccgcgac tccgcccccg ccagaggggc taggctccgg gtttcaagat 420
 ggaggcgctg agtcgagctg ggcaggagat gagcctggcg gccctgaagc aacacgaccc 480
 ttacatcacc agcatcgag acctcacggg ccagggttgc ctgtacacct tctgccccaa 540
 ggccaaccag tgggtgagtg ccgcctggct ctgaggacgg ccgcccggcc gctgcggtct 600
 cttaaagggg ccgtgcgtgt ttgctgtggg gtgggggaca cagcaagagg ccagggaggt 660
 gaagacnggg gccagggnac tggcgaagag ccgagccaaa gccagagggg tgtcgggtcc 720
 acctgggaat tgggggaa 738

<210> 133
 <211> 757

<212> DNA
<213> Cercopithecus aethiops

<400> 133

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cgccaaacct acaggggggg tctttcactg ccagacagcg aaccgcgaag ccggcaggca      60
cttcggcggt ctccagcctt tgcctgaaaa gagctcggca agctagctag aggtcagacc      120
ccaggaccca gtcgttttag ctcagggaaa ggaagcgccg gacgccagcc tgcaagcttc      180
actgcgcagc cgtggacacc gccccacgtc gtagggccgt ggaccctgac aacgccggaa      240
cccggcgctc ggtgctgctg cttggcggac cagaatggct aacgtaccgc catgccgcga      300
ggccccacgta gaggcggaag ttgatgggac ggacgcagat ggggggaacct tgcctcgatg      360
gcactttcct gtccgcgact ccgccccgcg cagaggggct aggctccggg tttcaagatg      420
gaggcgctga gtcgagctgg gcaggagatg agcctggcgg ccctgaagca acacgaccct      480
tacatcacca gcatcgaga cctcacgggc caggttgctc tgtacacctt ctgccccaa      540
gccaaccagt ggtgagtg cgcctggctc tgaggacggc cggccggccg ctgcggtctc      600
ttaaaggggc cgtgctgtt gctgtggggt gggggacaca gcaagaggcc aggggaggtg      660
aagacggggg ccaggggact ggcgaagagc ccgagccaga gccagagggg tgcgggtcc      720
acctgggatt ggggggatag gaagtgagaa gaagtgg      757
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<210> 134
<211> 668
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(668)
<223> n is a, g, c or t

<400> 134

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ccagcctaca gggggggggt ctttcactgc cagtacagcg aaccgcgaag ccggcaggca      60
cttcggcggt ctccagcctt tgcctgaaaa gagctcggca agctagctag aggtcagacc      120
ccaggaccca gtcgttttag ctcagggaaa ggaagcgccg gacgccagcc tgcaagcttc      180
actgcgcagc cgtggacacc gccccacgta gtagggccgt ggaccctgac aacgccggaa      240
cccggcgctc ggtgctgctg cttggcggac cagaatggct aacgtaccgc catgccgtga      300
ggccccacgta gaggcggaag ttgatgggac ggacgcagat ggggggaacct tgcctcgatg      360
gcactttcct gtccgcgact ccgccccgcg cagaggggct aggctccggg tttcaagatg      420
gaggcgctga gtcgagctgg gcaggagatg agcctggcgg ccctgaagca acacgaccct      480
tacatcacca gcatcgaga cctcacgggc caggttgctc tgtacacctt ctgccccaa      540
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gccaaccagt gggtagtg gcgcctggctc tgaggacggc ccgcccggcc gctgncggtc 600
 ntcttaaaag gggcccganc gtgtttgctg tgggggtggg gggacncaag caagaaggcn 660
 cagggagg 668

<210> 135
 <211> 752
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(752)
 <223> n is a, g, c or t

<400> 135
 gcttgccaaa cctacagggg gggcttttca ctgccagaca gcgaaccgcg aagccggcag 60
 gcacttcggc ggtctccagc ctttgccctga aaagagctcg gcaagctagc tagaggctag 120
 accccaggac ccagtcgttt tagctcaggg aaaggaagcg ccggacgcca gcctgcaagc 180
 ttcactgctc agccgtggac accgccccac gtcgtagggc cgtggaccct gacaacgccg 240
 gaaccggcg tccggtgcgt gcgcttgccg gaccagaatg gctaacgtac cgccatgccg 300
 cgaggccac gtagaggcgg aagttgatgg gacggacgca gatgggggaa ccttgccctc 360
 atggcacttt cctgtccgcg actccgcccc cgccagaggg gctaggctcc gggtttcaag 420
 atggaggcgc tgagtcgagc tgggcaggag atgagcctgg cggccctgaa gcaacacgac 480
 ccttacatca ccagcatcgc agacctcagc ggccagggtg ctctgtacac cttctgcccc 540
 aaggccaacc agtgggtgag tgccgcctgg ctctgaggac ggccgcccgg ccgctgcggg 600
 ctcttaaagg ggccgtgcgt gttgctgtgg ggtgggggac acagccagga ggccaaggga 660
 ggtgaagacn gggggccaggg actggcgaag agccgagcca ganccagagg ggtgtcgggt 720
 tcacctggga ttgggggata ggagtgagag aa 752

<210> 136
 <211> 739
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(739)
 <223> n is a, g, c or t

<400> 136
 ctttactgc cagnacagcg aaccgcgaag ccggcaggca ctteggcggt ctccagcctt 60
 tgcctgaaaa gagctcggca agctagctag aggtcagacc ccaggaccca gtcgttttag 120

ctcagggaaa ggaagcgccg gacgccagcc tgcaagcttc actgcgcagc cgtggacacc 180
 gccccacgtc gtagggccgt ggaccctgac aacgccggaa cccggcgctcc ggtgcgtgcg 240
 cttggcggac cagaatggct aacgtaccgc catgccgcga ggcccacgta gaggcggaag 300
 ttgatgggac ggacgcagat gggggaacct tgcctcgatg gcactttcct gtccgcgact 360
 ccgccccgc cagaggggct aggtccggg tttcaagatg gaggcgctga gtcgagctgg 420
 gcaggagatg agcctggcgg ccctgaagca acacgaccct tacatcacca gcatcgaga 480
 cctcacgggc caggttgctc tgtacacctt ctgccccaaag gccaaaccagt gggtgagtgc 540
 cgctgggctc tgaggacggc cgccggccg ctgcggtctc ttaaaggggc cgtgcgtggt 600
 gctgtggggg gggggacaca gcaagaggcc agggaggtga agacggggcc agggactggc 660
 gaagagccga gccagagcca gaggggtgct ggggtccacct gggattgggg gataggggtg 720
 agagaagngg ctgganaat 739

<210> 137
 <211> 707
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(707)
 <223> n is a, g, c or t

<400> 137
 gccaaaccta caggtgggat ctttactgc cagacagcga accgcgaagc cggcaggcac 60
 ttcggcggtc tccagccttt gcctgaaaag agctcggcaa gctagnntag aggtcagacc 120
 ccaggaccca gtcgttttag ctcagggaaa ggaagcgccg gacgccagcc tgcaagcttc 180
 actgcgcagc cgtggacacc gccccacgtc gtagggccgt ggaccctgac aacgccggaa 240
 cccggcgctcc ggtgcgtgcg cttggcggac cagaatggct aacgtaccgc catgccgcga 300
 ggcccacgta gaggcggaag ttgatgggac ggacgcagat gggggaacct tgcctcgatg 360
 gcactttcct gtccgcgact ccgccccgc cagaggggct aggtccggg tttcaagatg 420
 gaggcgctga gtcgagctgg gcaggagatg agcctggcgg ccctgaagca acacgaccct 480
 tacatcacca gcatcgaga cctcacgggc caggttgctc tgtacacctt ctgccccaaag 540
 gccaaaccagt gggtgagtgc cgctgggctc tgaggacggc cgccggccg ctgcggtctc 600
 ttaaaggggc cgtgcgtggt gctgtggggg gggggacaca gcaagaggcc agggaggtga 660
 agacggggcc agggactggc gaagagccga gccagagcca gaggggt 707

<210> 138
 <211> 818
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(818)
 <223> n is a, g, c or t

<400> 138
 tcacacagaa ttcagnaaag cacagctgtc taggcgtttg gctcctgaca aatggttgcc 60
 tgccccctcac ctcaccagcc tctccagaca cctctgcac acacagcact gatgaccgcc 120
 tcccagccca acacccactc tgcttactct gtgccgccag gctctgattg tgtttgggag 180
 gtaaagtgtc cagccccaag actggccaaa cttggccctc atcatcccat tctccttgc 240
 cagtggttta tctaggaata gatatggggc cctgttcagg tcagtgaat gtaaggtga 300
 gttagttcag gaatttctga gaaagattct cctctgtaat aaagcagaga gtcacatgac 360
 tagaaaatct ttttggtgtt gttggtgttt taccaccacc ccttccttcc tgctttggaa 420
 atcggtttat gatgtgatgc ctggagctgt ggcagctgtt ttatgaccat gagagaaggc 480
 ttctccagtg tgctaggatt caggggagga aatacagaat gaatgtcagc cctcgatgac 540
 actgccgagc cctaaaccaa ctctgagaat ttaagacttt ttgttctgta agaaatgaga 600
 tttattttatt gtttaagact ctggtgggta ttctgttacc tgtggccan aatattttaa 660
 ataataataat ttctttttgc aataatacat ctcagatgga cattcccaa agtctaagac 720
 tttgagagaa gtcattctctg aagagccaag cattcataat tagaaacttg gccagggtgca 780
 gtggctcacg cctgtgatcc cagcactttg ggaggcca 818

<210> 139
 <211> 581
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(581)
 <223> n is a, g, c or t

<400> 139
 cacacaaatt agnncaggct atcctcctgg tggttcctgt accagtcctc gatcacctcc 60
 tcaaactctt ccaccagcac gtcgcactgt taatcgtaac acctcacgtt ggcaaagccc 120
 cagcacctta ctactccta gaggagctca gctaagcctt gcaaccact gcaaggtagt 180
 ggcagtgggt cacctaagga aactgaggct agagaggtga aatgacgtga ccaaagccac 240

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cctggcctgg gtggccctcc tcagagcaga cccaatcccc accggcccct cactgggcac      300
agcaaccctt ccaagggctg aagggcctgt acctgtttct tgaggtcagc cacctctgca      360
gaagtctcgt tccacagctc ataggggatg tccatcacca ccttgacccc tttgtgtacc      420
aggttgtgta atgtctcaaa ggtctctgac atgccctgga agaagcgacc agacatggga      480
ggcagagctc cttctctctc ctctaccct cctctcccag tggggcctat gaactcagct      540
gtaagaccaa tgcccaatgc cctctgagga tcctcaaacc t                        581

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<210> 140
<211> 630
<212> DNA
<213> Cercopithecus aethiops

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<400> 140
tcacacagaa ttccatgttc agtaaccagg tgctacaaat gcagttcaag gctctaggtc      60
atgacaatgt cacagatata tcaggtccag tcaccaaggc aacatgtggc ttgggtcttt      120
ttctgggtttc aagactgcat ctgtattctc tcacctccct gggcccacag attccctaaa      180
tcatagcttg gtctaagagc aatgcttcaa attcaggtcc cttgtctcag gtgggtagac      240
ttctgtcac ccagccaccg ccacctgatt ctggacctgg agccggcagg cccgtgggctt      300
cagcccgact cactcttttg tattctgttg cttactatca tctttttttt ttttggcttt      360
gaactccgca gtgtcatttt ttttttctag tttatccatc tttgccatgt gtttggggaa      420
gaatggcaat gcgaaagtgt gaacttccag tcccggctta ttagaagccc acagctgttt      480
taaaaaaaat ctaccttgct atcctttccc ttttctgtga cacacaagtg actgttaatt      540
agtacctagg ccatgggctg tcatgcttaa aaactgaatg gaattttttg ttcttttagc      600
aatgttagga tgactgggctg attataaaaa                        630

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<210> 141
<211> 737
<212> DNA
<213> Cercopithecus aethiops

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<220>
<221> misc_feature
<222> (1)..(737)
<223> n is a, g, c or t

<400> 141
acacagaatt cttacttaat acatataaac agaacatttc taggtcagtg aacaaaaata      60
taacctgaat cataaaaaaca gagttataac tcctccatca atttccagac atcagccagt      120
ttacaaatcc agaaccctt aatgaagaa caagcttgat gcccttgagg aagggcccta      180
gtacactgcc caaatctgt acatttaatt ttctctctaa tcttcccaaa aggacatat      240

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gtccttttac cagtgaaact gtcatttgg gtaattgaaa ataatcaaact caggtactac 300
 tggaccctgg ctacgaactg atgcaaattc caggagacct aacatgccat ggtgggtccac 360
 aaagacagtg cttatgggaa tcaggtgatc catggagttt taagttgggt ccaactcaca 420
 tttgaataaa tatactcatg ctgacagaat ctccataatg gttccctgac ctgtaaagtg 540
 aggtgcatta tgggtgggtaa tggcaaattg aagccagtag aaacacctct atctagggaa 600
 aatagtaaag caaatgcaat attttcatct ccgtagggat tgcagacatt agttgccacc 660
 atcaagggct tgaaaaatga ccaggggggtg attcccacca acattctnca ttcagctttg 720
 tctattnggg ccttgcc 737

<210> 142
 <211> 768
 <212> DNA
 <213> Cercopithecus aethiops

<400> 142
 tttcacacag aattcagtg atgctatgaa acatatcttc actgttcgtg tttgtctctt 60
 tctgaatcca caagtgatgg acacatgaat ctactactac tgttctcttt tcttcttttt 120
 ccgtctttct ctcccttccc acccctagtt cctgacgttt gctactcta tcatgtctgc 180
 agtgttgcat accactctgc atcctcatct gtctgagaca cattcaacca ctaggtcttc 300
 agctgcttca ctgctgcctg atgttctttg aagtcagta taagagagaa cattctatct 360
 tgctaaaact aaaagactac cctttatctt tgctgagaat atgtaaagaa aagggggaatg 420
 actagatcag aaggcttatt ctgaggtata tagtaatgtt aatttttaaa taattgttag 480
 gtgttcttct tcattaggta ttcaccttca gttttccaag actatggaaa gcaccattgg 540
 tgcagttagt taacagcagc ttgactcaga cgtagaactg cagccaggac ccattctgttc 600
 cccattactc cctgctgccg gttttgcaac cagaacctag gagtgattta tcccatcctc 660
 aattttgctc aggactcagc agaagaagga tcttgggaca caagactttt cagtggcttc 720
 aaacttggga gagttctttg gcaatgcaca ggtttgacct atgaactg 768

<210> 143
 <211> 450
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(450)
 <223> n is a, g, c or t

<400> 143
 gcctgtgaaa ccactctggnc ctggactttt ttgtgttgnn aggctatcaa cttattgcct 60
 caatttcaga gcctactatt ggtctattca gggatctcaa ctnttctctg gcttttagtct 120
 tggaagagtg taagtgtcca ggaaatctat ccactcttct ctagattttc cagtttattn 180
 cgcgcagagg cgttcacagc agcctctgat ggtagtcca atttctgagg ggcggcggn 240
 gatatcccct ttatcattnt naatngcgc gatnagacnc ttctctcttn tcttctttat 300
 aagcactcng ctagccggcc ngccaatntc gnngangctt ntcaaaaaac caactcctgg 360
 attcatgat tncnntggag ggtctntttg ngtctctatc tcttcagtn actgcnctga 420
 tcttagmata tttctgcn tctgctagct 450

<210> 144
 <211> 729
 <212> DNA
 <213> Cercopithecus aethiops

<221> misc_feature
 <222> (1)..(729)
 <223> n is a, g, c or t

<400> 144
 cacacagaat tacccttttc gccttccaag gggaaaccag gccactttgc tcttcttggg 60
 gaaggaggat aattgtccag tgctgggagg tgacagcagc tactgccagc acgaggtggg 120
 gccctgcag tgtggttctt caggtctgag aggggttccc tctgccttcc tccctcctgc 180
 tcccttttcc tcttctctct acctgtttt tcttctctc acatctctcc tgcttccca 240
 caatccctga catttactgc aggtctccga agagccatga cactttatac cctcaacctc 300
 atttaattct caggaaaccc cacaaggccg tgcaattctc accccaggta ccaagtgagc 360
 cagttcaggt gcacagagac tgccccttgc ccagagatcc tagcacgagg gctctgtact 420
 ggttagggtc tccagagaaa cagctccaat agaattgtga gatgctgggt gcagtggctc 480
 accctgtaa tcccagcact ttgggaggcc gagggggcg gatcatgagg tcaggagatc 540
 gagaccatcc tggctaacac ggtgaaaccc catctctact aaaaatacaa aaacattagc 600
 cgggccgtgg tggcgggncg cctgtagtcc cagctacttg ggaggctgag ggcaggagaa 660
 tggcatgaag ccganaggca nagcttgag tgagccaaga tcacatggca ctccaacctg 720
 ggcgacaaa 729

<210> 145
 <211> 755
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(755)
 <223> n is a, g, c or t

<400> 145
 aacaattttc acacagaatt acctggtctc aaagtgtatc ctccatgctt cggcctccca 60
 aagtaattgtg attacaggag tgacccaccc tgcccggccc tctagcttat ggtggaagct 120
 taaataatca gtttttagaca tttcttcttc ctttttttcc caagaaacag ggtcttgctc 180
 tgccaccac gctggaatga agtggtgcaa tcatagctga ttgcaacctc aaactcctta 240
 actcaatcaa tctctccacc tcagcctttc aaatagctgg gactacagtg cgtaagccac 300
 cgcacctggc ctcttctttc taatataagt atttaatat ataaaatttc ctctaagatc 360
 taaacactgc tttagctgca actcaciaat tttgatatgt tgtattttta tttatatccc 420
 attaaaaata cagtattagt tcccgtgtga tttcttcttt gacctatggc ttagaagtgt 480
 gttgtttagt ttccaaattt gggggcattt tccagatata tttctcttat ttatttgtaa 540
 ttttaattctg ttgtggctga ggagcacgtt ctgtttgctt acaatcctcg taaatttatt 600
 atgacttggt ttatggccca gcataggggc tgtttggcga gtgttccatg tgcactcgaa 660
 aagaatgtgt attctgtagt tgtgcagggt atttttaaaa ttttattctt ttcactgana 720
 caaaatagct gtncatattt agagggtaca tgcca 755

<210> 146
 <211> 795
 <212> DNA
 <213> Cercopithecus aethiops

<400> 146
 ctaccagtat atacaaagaa aagctcgtac cattcatgct gaaactactc caaaaagttg 60
 aggagaagga aatcctccct agcttattct acaaagctag catcacactg ctacccaaac 120
 ctgacagagt cacaacaaca aaaatttcag acatatattc ttgatgaaca ttgatgcaaa 180
 gtagtcaaca aaatacttgc aaaccaaatt cagcagcaca tcaaaaagct tatccatcat 240
 gatcaagtag gctttatccc tgggatgcaa ggttggttca acatctgcaa atcaataaat 300
 gtgattcatc acataaatac cactaaagac aaaaaacca catgattatc tcaacagatg 360
 cagaaaaggc ttttgataaa atccaatacc cttcatgtt aaaaactctc aataaactag 420
 gtattgaagg aacatacctc aaagtaataa gaaccaccta taaaaaaccc acagccaaca 480
 tcatattgaa tgggcaaaag ctggaagcaa tccccttgaa aactggagga agacaagaat 540
 accctttctt accactccta ttcaacataa tattggaagt cctggccagg acaagcaggc 600

aagagaaaga aagaaaggca tcccaatagg aagaaaggga agtcaaacta tccctgtttg 660
cagacaaaat gacccatag ctagaaacce catagtctca gcccacagct tttaagctga 720
taaacacttt cagcaagcct cagcatacaa aatcatgtgc aaaagtcagt acattttgta 780
caccaccaac agtca 795

<210> 147
<211> 704
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(704)
<223> n is a, g, c or t

<400> 147
gcacccccc tcctcgccct gggcgtgggc tcgcaaacg ctgggattcc cgggtattaca 60
ggcgggcgcg ccacgccagg agcaaacact tcctgcttta aaaattcagt gttgtgattg 120
gctgccattc agcattatgc taattaagca tgctgtttt tttaagctt cttaaaacaa 180
ttttttaaaa ttccgtttcc acctaaaacg taaaatttg tcaagtgata atattcgaga 240
agatgttggt gccaaactat ttttctatct gtttcctaag ggcacggaa atagcgaaag 300
tatctcgcca ttagttaaaa gttggcagca gatgtagacc ccgcagaggc tgcgagtggg 360
ctgttaagac tatactttca gggatcattt ctatagtttg ttactagaga agttctctct 420
gaacgtgtag agcaccgaaa accacgagga agagacgtag cgttttctcc tgagcgtgaa 480
gcgggcgttt ggtgttgctt cgctgcaact gccatcagcc attgatgatc gttcttctct 540
ccgctttgga gagnaagagg gagagaacgc ggtctgagtg gtttttcttt ttgcnnggt 600
tagaacgaca gactgtacag cgaccgtntc ccggttgnc tntgtgcttg nntgncncc 660
ngaggccnaa gngagttgcc ttattttgtt tcacnancgg ntgt 704

<210> 148
<211> 650
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(650)
<223> n is a, g, c or t

<400> 148
atcgccctt atcgccctt tgacgagttc ttctgagcgg gactctgggg ttcgaaatga 60
gctagccctt aagtaacgcc attttgcaag gcatggaaaa atacataact gagaatagaa 120

aagttcagat cgaggtcagg aacagatgga acagggtcga ccggtcgacc ggtcgaccct 180
agagaaccat cagatgtttc cagggtgccc caaggacctg aaatgaccct gtgccttatt 240
tgaactaacc aatcagttcg cttctcgctt ctgttcgcgc gcttctgctc cccgagctca 300
ataaaagagc ccacaacccc tcaactcggg cgccagtcct ccgattgact gagtcgcccg 360
ggtacccgtg tatccaataa accctcttgc agttgcatcc gacttgtggt ctcgctgttc 420
cttgggaggg tctcctctga gtgattgact acccgtcagc gggggctctt cagttaagac 480
tatactttca gggatcattt ctatagtttg ttactagaga agtttctctg aacgtgtaga 540
gcaccgaaaa ccacgaggaa gagacgtagc gttttctcct gagcgtgaag cgggcgtttg 600
gtgttgcttc gctgcactgc catcanccat tgatgatcgt tttntntccg 650

<210> 149
<211> 671
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(671)
<223> n is a, g, c or t

<400> 149
aactttaact aatggcgaga taccttcgct attgccgatg ccattaggaa acaaatagaa 60
aaatagtctg gcaacaacat cttctcgaat attatcactc gacaaattat aacgttttag 120
gtggaaacgg aactttaaaa aattgtttta agaagcggaa aaaaaacagg catgcataat 180
tagcataatg ctgaatggca gccaatcaca aactgaatct ccaaagcagg aagtgtttgc 240
tcttggcgtg gcgcgcccgc ctgtaatccg ggaatcccag cgtttagcga gccacgccc 300
aggccgagga gggaggatcc tttgttccac gagatcgaca ccagcctagg caatatagca 360
gaatcctggt ggtgacggaa atgccctatc ttgagcttat caatgccaaa accccggtca 420
tataacttta ttggatatca gtggggaaaa ctgagtaaaa ggtgcaaata tataactcag 480
tataaacccc aagaacgaaa cgcaaacct accattctct gaaagaaatg ttttgtacat 540
atatattacac agaaacacat acatcatgat caaaaaatga catcattcgt aaaaaaaaaat 600
aacaaaaagt gtaaaagaac ccacgcccgc gaaaggaagg gccctgtgag accggatccc 660
caaaaccaa c 671

<210> 150
<211> 704
<212> DNA
<213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(704)
 <223> n is a, g, c or t

<400> 150
 tcattaacag cccactcgca gcctctgcgg ggtctacatc tgctgccaac ttttaactaa 60
 tggcgagata ctttcgctat ttccgatgcc attaggaaac aaatagaaaa atagtttggc 120
 aacaacatct tctcgaatat tatcacttga caaattttaa cgtttttaggt ggaaacggaa 180
 ttttaaaaaa ttgttttaag aagcttaaaa aaaacaggca tgcttaatta gcataatgct 240
 gaatggcagc caatcacaaa ctgaattttt aaagcaggaa gtgtttgctc ctggcgtggc 300
 gcgcccgcct gtaatccggg aatcccagcg ttttgcgagc ccacgcccag gccgaggagg 360
 gaggatcctt tgttccacga gttcgacacc agcctaggca atatagcaga attctgtgtg 420
 aaattgttat ccgctcacia ttccacacia catgagcgtc agaccccgaa gaaaagatca 480
 aaggatcttc ttgagatcct ttttttctgc gcgtaatctg ctgcttgcaa aaaaaaac 540
 caccgctacc agcggtgggt tgtttgccgg atcaagagct accaactctt tttccgaagg 600
 taactggctt cagcagagcg cagataccaa atactgtcct tctagtgtag ccgtagttag 660
 gccnccact tcaagaactc tgtagcaccg cctacatacc tcga 704

<210> 151
 <211> 705
 <212> DNA
 <213> Cercopithecus aethiops

<400> 151
 gctatatgtc ctaggctggt gtcgaactcg tggtaacaaa ggatcctccc tcctcggcct 60
 gggcgtgggc tcgcaaacg ctgggattcc cggattacag gcgggcgcgc cacgccagga 120
 gcaaacactt cctgctttta aaattcagtt tgtgattggc tgccattcag cattatgcta 180
 attaagcatg cctgtttttt ttaagcttct taaaacaatt ttttaaatt ccgtttccac 240
 ctaaacggtt aaaatttgtc aagtgataat attcgagaag atgttggtgc caaactattt 300
 ttctatttgt ttcctaattg catcggaat agcgaaagta tctcgccatt agttaaaagt 360
 tggcagcaga tgtagacccc gcagaggctg cgagtgggct gttaatgaaa gacccacct 420
 gtaggtttgg caagctagct gaggatcgtt tcgcatgatt gaacaagatg gattgcacgc 480
 tggttctccg gccgcttggg tggagaggct attcggctat gactgggcac aacagacaat 540
 cggctgctct gatgccgccg tggtccggct gtcagcgag gggcgcccgg ttctttttgt 600
 caagaccgac ctgtccggtg ccctgaatga actgcaggac gaggcagcgc ggctatcgtg 660

gctggccacg acgggcgttc cttgcgcacc tgtgctcgac gttgt

705

<210> 152
<211> 673
<212> DNA
<213> Cercopithecus aethiops

<400> 152
tttcattaac agcccaactcg cagcctctgc ggggtctaca tctgctgcca acttttaact 60
aatggcgaga tactttcgct atttccgatg ccattaggaa acaaatagaa aaatagtttg 120
gcaacaacat cttctcgaat attatcactt gacaaatttt aacgttttag gtggaaacgg 180
aattttaaaa aattgtttta agaagcttaa aaaaaacagg catgcttaat tagcataatg 240
ctgaatggca gccaatcaca aactgaattt ttaaagcagg aagtgtttgc tcctggcgtg 300
gcgcgcccgc ctgtaatccg ggaatcccag cgttttgcga gccacgccc aggccgagga 360
gggaggatcc tttgttccac gagttcgaca ccagcctagg caatatagca gaattcatct 420
cacagagtta catctttccc ttcaagaagc ctttcgctaa ggctgttctt gtggaattgg 480
caaagggata tttggaagcc catagagggc tatggtgaaa aaggaaatat cttccgttca 540
aaactggaaa gaagctttct gagaaactgc tctgtgttcc tctgaattct ggaagaaaac 600
aaacacatca ttcttgtctc caagagctta aatttctgtt tgggcaattt atttataaaa 660
acacaactta gcc 673

<210> 153
<211> 709
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(709)
<223> n is a, g, c or t

<400> 153
tttcattaac agcccaactcg cagcctctgc ggggtctaca tctgctgcca acttttaact 60
aatggcgaga tactttcgct atttccgatg ccattaggaa acaaatagaa aaatagtttg 120
gcaacaacat cttctcgaat attatcactt gacaaatttt aacgttttag gtggaaacgg 180
aattntaaaa aaagttttta agaagcttaa aaaaaacagg catgcttaat tagcataatg 240
ctgaatggca gccaatcaca aactgaattt ttaaagcagg aagtgtttgc tcctggcgtg 300
gcgcgcccgc ctgtaatccg ggaatcccag cgttttgcga gccacgccc aggccgagga 360
gggaggatcc tttgttccac gagttcgaca ccagcctagg caatatagca gaattctgtg 420
tgaaattggt atccgctcac aattccacac aacatgagcg tcagaccccg aagaaaagat 480

caaaggatct tcttgagatc cttttttttc tgcgcgtaat ctgctgcttg caaaacaaaa 540
aaaccaccgc taccagcggg ggtttgtttg cncgggatca agagtctacc aacctctttt 600
ttacgaaagg tnaactgggct tcaggcagga gccgcanatt nccaaaataa ttggnccctt 660
ccaagnngnn ancccgcnag gnttagggcc cncccaactt tcnaaggac 709

<210> 154
<211> 574
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(574)
<223> n is a, g, c or t

<400> 154
cctcggcctg ggcgtgggct cgcaaaacgc tgggattccc ggattacagg cgggcgcgcc 60
acgccaggag caaacacttc ctgctttaa aattcagttt gtgattggct gccattcagc 120
attatgctaa tnaagcatgc ctgttttttt taagcttctt aaaacaattt tttaaaattc 180
cgttaccacc taaaacgtta aaatttgtca agtgataata ttcgagaaga tgttgttgcc 240
aaactatttt tctatttgnt tcctaattggc atcggaaata gcgaaagtat ctcgccatta 300
gttaaaaagtt ggcagcagat gtagaccccg cagaggctgc gagtgggctg ttaatgaaag 360
acccacactg taggtttggc aagcatagct gaggatcggt tcgcatgntt gaacaagatg 420
gattgcacgc tggntctccg gccgctngng tggagaggct attcggntat gactgggcac 480
aacagacaaa tcgggctgnt ctgatgccgc cgtgttccgg ntgtaagcgc aggggcgccc 540
cngtttcttt tttgnaaaga ccganctgta acgg 574

<210> 155
<211> 794
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(794)
<223> n is a, g, c or t

<400> 155
actccggaga tatgaggcct agctccatcc ttcttttctt atcaactcagt cattcaatct 60
ttgcttgga tacatgaact aataatttcc aatattacct gacatggatc cactttaggg 120
aagacacaag atatgaaaga aaggataaag tctgaaagtt agaagtaaca caactacaga 180

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aatagatta atgtggattg ttatagccat tcatacaatg acatcctcaa cgtcaaaacc 240
tttttgtact ctttacagat tccacatcca agcagaattc tattttaatgt gcttttctaac 300

aatcagattc ctgacaaatg tgttcataaa gtaataaaaag cagcaaaaatc ttaaatgttt 360
tatactaaca tagtagacaa aatacaaaata ctctgaacac taatatcaca gaaaccctta 420
aaaaaaagat tgagggggagg taataacata cctaatacaa atagaaataa ggaggaaacct 480
ttgagggtttg ctatgctttg aacgtgtccc caagggttcac atgttggaata cttaatccct 540
gaagcaacag tgatgagaag tgggaccttt aagagggtgag taggtcacga gggctctgct 600
ctgccacatg aatggattaa tgctattacc agaggagtgg ggaatggggt ccagatagaa 660
gaccgagttt ggcctcctcc ttatntntcg ctctctngcc ttccgccttc taccatggga 720
tgatacagca ggaagacct agataccaca ccttgatatg gacttcngt ccnanaacct 780
tgantaaata ccag 794

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<210> 156
<211> 831
<212> DNA
<213> Cercopithecus aethiops

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<220>
<221> misc_feature
<222> (1)..(831)
<223> n is a, g, c or t

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<400> 156
cgcacgcct tctatgcct tcttgacgag ttcttctgag cgggactctg gggttcgaaa 60
tgagctagcc cttaagtaac gccattttgc aaggcatgga aaaatacata actgagaata 120
gaaaagttca gatcgaggtc aggaacagat ggaacagggt cgaccggctg accggctgac 180
cctagagaac catcatatgt ttccagggtg cccaaggac ctgaaatgac cctgtgcctt 240
atttgaacta accaatcagt tcgcttctcg cttctgttcg cgcgcttctg ctccccgagc 300
tcaataaaaag agcccacaac ccctcactcg gggcgccagt cctccgattg actgagtcgc 360
ccgggtaccc gtgtatccaa taaaccctct tgcagttgca tccgacttgt ggtctcgctg 420
ttccttggga gggctctctc tgagtgattg actaccgctc agcggggggtc tttcaaggctc 480
aactgacttt aaacttgccg tttgatttgt gactttagaa agtagagtta actatattta 540
gcaatatgct taagcatgtg catatcacct catgaaacgt gtgtgtgcat gagaaaagct 600
gcctccagta catatacata tgtatataaa cacacataca cacaagcata tatatgtatg 660
tatttcttgn aggaccagtc tcattgtata taatttcaag tgcagggtcc tgatctccan 720
ggatgcgtaa aagactcact gaagttnnga agaaanttta nggctactat tntgttgng 780
atcncacct tcaagtttaa atttgatntg attattctta cngnttgng g 831

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<210> 157
 <211> 637
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(637)
 <223> n is a, g, c or t

<400> 157
 caacctaaga aaaactcaca gccactttta aagcagtaac acatgtataa agtatagttt 60
 ggatcctttt gtacacagct cctgaaagag agaaattttt ttttcaccta ccgacagaca 120
 tattggaagg ctgctaatat tctgactttt acggactgta ctccctttta cctgggtaca 180
 taccataata ttctttcagt tgnccacagc tatagatacc cctagcataa cacttcagga 240
 ttcagaagac gaatgtacct ttctgtatct taacctctct actccacact tcccacctct 300
 gaaaaaacia caggccaaat tctcagaacc taaaaccaag tcagagtaaa cactgctaatt 360
 acaataactga cacttacata tttaacctggc ataattctcta ggattccacc cacaacctaa 420
 cagatcctaa ctctctcata gagngagaaa atctgctaaa atctgacaga agtccaaatg 480
 aatcctttca gatatatgta gcttgctaca cactcagaaa gnaagttct cggaacttga 540
 aagctctctg aaactnttac cagntacaag angttncagc nnatcacact agcagcatgg 600
 ntaanggcaa accagagcag ctaccggaan attaaag 637

<210> 158
 <211> 656
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(656)
 <223> n is a, g, c or t

<400> 158
 tccatacctt taaaattcaa gaatgttgtg ttctaattggc agtttgaccg ttgagatatt 60
 aacataggaa catcatttag cctcttaagc ttgaacatcc attaagcggg aaaaatagtg 120
 cttatttctt agaggtttgc agacattggc taaccaatag ttntgattnt gctggaaagc 180
 aatgtgcaaa ttttcttaga tgtgatcgct tcattttctc ttacatttta gattggcagc 240
 agccaaatgg gcgttccagc ccctnatctc ctgcaagatt cttctcagtt tcataaatct 300
 ggtaattttt gagctctttt cccaacaggg tgctgcagct caccaagtgg aatctacaac 360

atcttctgct accaggatag cagcttgcca gcaggatata ctgaaattac tgggtttcag 420
 tatgatgttg gctggtacga acntcaatca tncgaatcga catgcgcccc gccattctca 480
 taatgaaatg tntccttctc ctttcaacat gttccgcttt ccagcccccc atcctccntt 540
 tattatnttt tttctttcan nnaaaagaag ctttnagnaa acacnnaaac ctcttactcc 600
 ctntagnгаа aggaaaacnt tctttccnnt nctnctccc ctttngannc ncccta 656

<210> 159
 <211> 654
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(654)
 <223> n is a, g, c or t

<400> 159
 cattttaatt tttatatagg atggtattta tgaacatccc actaactatt ctgccgctga 60
 ttgatatttg gatgtgtaca gtttgatgct attataaaat tcttctaaga acattcttgt 120
 acatgttcat tttgtttcgc taggtcctag agtctaaggt atatatccag aagaggaata 180
 gctgggtatt atgatagaat aatgacaaac tagtttctaa agtgattgta ccaattagtg 240
 tttccatagg agaaaagtgt acagctactg gaaaaacagt ttggaatgat ctgaagtata 300
 agaatgttca tagcaacaga atgtgtttct tgtattccaa atgttcacct acagttgggtg 360
 tggtcagtat aagttgttgt tttgtttttt attgtgtgtg tgtttttttt atcctttggg 420
 acagggcctc actttgttat ccaggctaga gagcagtggg acaaacatga ctactgcag 480
 ccttagcctc ccaggctcaa gcagtcctcc tgcctcagcc tcctaagtac ctgggactac 540
 aggcatgtgc caccacacct ggctaatttt tgtattttnt tgtagagaca gggtttcacc 600
 atgttngccc agtctggtct agttttaaac aaagttgtng cctgnggaaa tgat 654

<210> 160
 <211> 683
 <212> DNA
 <213> Cercopithecus aethiops

<400> 160
 ttactgcac tgcacacaaa aaccaccga agaaaaaaag tgtgaatgcc atacaatttt 60
 tttcaatgca agtatggaac actgtacac actgaaaaac aggggggaaaa aaaaaaagga 120
 aaaagaggag aaccattgaa gaaagcataa aatagcagct agctttctta cgtgtgctgg 180
 aattgtgtct ttgggggtta ccccaaattt tcctatgcta tacactcttc tcacattttg 240
 gtcaatacta gtttctgaat tggaagaggc attatcaatt gctttaaaat gttataccta 300

aaataaagaa acactgagtt agactgtcac cactttgaat acccatcagg agagtgtggc 360
 attgcatgcg aaaatgtatg tgttcctctt aggagatgaa gatcaagtca gctaacagct 420
 gtcaacaaac ttctagtgtg ggcaagaatt ttatggccaa gttgggcttt cctttattcc 480
 ttactggaag aaagtattca gaaaatagca ttttagggga aaaaagtgtt aagtaaacag 540
 aatcctttta agcacacaaa caaaagtgtg gcagtgtaaa ttttgaaact tagtgccttt 600
 tagtatctga agcaaaatga taacaagtta taggattttt tctttatgaa gaatgatgta 660
 agctcactta tgaaagaaga acc 683

<210> 161
 <211> 811
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(811)
 <223> n is a, g, c or t

<400> 161
 ctttcacgag aattctgtct caaaaaaaaa aaaaaagcca aagtcctcaa aatggcctgc 60
 atggcactac attctctggc cctttatcag cactctgaca gctctctcct ttgcttattt 120
 tgctcctcat tctagcctct ggatctttgc ccttgctgtt ccttacgctc ttctcccagg 180
 gatctgaaag gctcacaccc tcacctcctt cagagggttg ctaaaatgtc ttctaccag 240
 tgaagccttc cccaaccacc acattaaaaa cacacaacca gcaccgcttc tctatcttcc 300
 ttcactttgc atttgtccat tgtgtaacat cacttacata cttttaattt ttagtttatt 360
 aattcatact gcaaaacaac ttagtttnta ccatgtgcca ggcatgtgcc ctagttgctg 420
 acaatacagt tgaaaataaa atagacaaaa atcccatctt ttgaatcttt tgaaccttac 480
 attgggagtg acaggcaaaa acgaggtaaa tcagtaaaat acgtgagaca gaacgctaaa 540
 agaaaaaaaa gaggaaggg ctgatttttg tgtctttccc tccanaatgc aagctccctt 600
 gaggatacag atttgngtgt tttttaacta ctgnaatnct ccctgacaat agcgccccag 660
 tnacatagta agggcatttc gannccaatt ttttaaaaat gaagaaaact aggccagtta 720
 ccncagtttc ctggggccca attttcaact ttttagganc ntnaantacc gatataaana 780
 aaattcgggtt acagctaggg ctccgnatna a 811

<210> 162
 <211> 757
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(757)
 <223> n is a, g, c or t

<400> 162
 ctttcacgag aattctgtct caaaaaaaaaa aaaaaagcca aagtcctcaa aatggcctgc 60
 atggcactac attctctggc cctttatcag cactctgaca gctctctcct ttgcttattt 120
 tgctcctcat tctagcctct ggatctttgc ccttgctggt ccttacgctc ttctcccagg 180
 gatctgaaag gctcacaccc tcacctcctt cagagggttg ctaaaatgtc ttctaccag 240
 tgaagccttc cccaaccacc acattaaaaa cacacaacca gcaccggttc tctatcttcc 300
 ttcactttgc atttggtccat tgtgtaacat cacttacata cctttaattt ttagtttatt 360
 aattcatact gcaaaacaac ttagttttta ccatgtgcca ggcattgtcc ctagttgctg 420
 acaatacagt tgaaaataaa atagacaaaa atcccatctt ttgaatcttt tgaaccttac 480
 attgggagtg acaggcaaaa acgaggtaaa tcagtaaaat acgtgagaca gaacgctaaa 540
 agaaaaaaaa gaggaagggt ctgatttttg tgtcttcctt ccagaatgca agctccttga 600
 taggcattcg atccaatttt aaaatgagat actaggcagt tactcagttt tctgggcaca 720
 tttcaacttt tagacaataa taccgataag aaaanta 757

<210> 163
 <211> 749
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <222> (1)..(749)
 <223> n is a, g, c or t

<400> 163
 ctttcacgag aattctgtct caaaaaaaaaa aaaaaagcca aagtcctcaa aatggcctgc 60
 atggcactac attctctggc cctttatcag cactctgaca gctctctcct ttgcttattt 120
 tgctcctcat tctagcctct ggatctttgc ccttgctggt ccttacgctc ttctcccagg 180
 gatctgaaag gctcacaccc tcacctcctt cagagggttg ctaaaatgtc ttctaccag 240
 tgaagccttc cccaaccacc acattaaaaa cacacaacca gcaccggttc tctatcttcc 300
 ttcactttgc atttggtccat tgtgtaacat cacttacata cctttaattt ttagtttatt 360
 aattcatact gcaaaacaac ttagttttta ccatgtgcca ggcattgtcc ctagttgctg 420
 acaatacagt tgaaaataaa atagacaaaa atcccatctt ttgaatcttt tgaaccttac 480


```

attgggagtg acaggcaaaa acgaggtaaa tcagtaaaat acgtgagaca gaacgctaaa      540
agaaaaaaaa gaggaaggagg ctgatttttg tgtcttccct ccagaatgca agctccttga      600
ggatacagat ttgggtgttt tntactactg natctcctga acaatagcgc cccagtacnt      660
aggtagnnca ttcgatccaa nttttnaaaa agaggancct agggccagtt aactnaagtt      720
ttctggggcc ccatttccaa actttttaga                                     749

```

```

<210> 164
<211> 741
<212> DNA
<213> Cercopithecus aethiops

```

```

<220>
<221> misc_feature
<222> (1)..(741)
<223> n is a, g, c or t

```

```

<400> 164
ctttcacgag attctgtctc aaaaaaaaaa aaaaagccaa agtcctcaaa atggcctgca      60
tggcactaca ttctctggcc ctttatcagc actctgacag ctctctcctt tgcttatttt      120
gctcctcatt ctagcctctg gatctttgcc cttgctgttc cttacgctct tctcccaggg      180
atctgaaagg ctacaccct cacctccttc agaggtttgc taaaatgtct tctaccaggt      240
gaagccttcc ccaaccacca cattaaaaac acacaaccag caccggttct ctatcttctt      300
tcactttgca tttgtccatt gtgtaacatc acttacatac ctttaatttt tagtttatta      360
attcactctg caaaacaact tagttttttac catgtgccag gcattgtccc tagttgctga      420
caatacagtt gaaaataaaa tagacaaaaa tcccatcttt tgaatctttt gaaccttaca      480
ttgggagtga caggcaaaaa cgaggtaaat cagtaaaata cgtgagacag aacgctaaaa      540
gaaaaaaaaa gaggaaggagg ctgatttttg tgtcttccct nccagaatgc aagctccttg      600
aggatacaga attngtgtgt tttttnacta ctgnatctcc tgacaatagc ncccagtaca      660
tagtaggcat tcgatccaat ttttnaaaaga ganactaggc angtactaag tttntggggcc      720
cattnnactt ttaagacaat a                                           741

```

```

<210> 165
<211> 727
<212> DNA
<213> Cercopithecus aethiops

```

```

<220>
<221> misc_feature
<222> (1)..(727)
<223> n is a, g, c or t

```

<400> 165
ctacgatata tgtaacattc tacgaacaac catggtgagt agaaccatct ggattttcca 60
tcactttcat ttaaaagact ctgttgatat tctaggtact gattccatat atcagtatca 120
acaaatttct caaccaaggg gataattggg ttatctgttt gcaattcatt ccgtaattta 180
gaaaggagag aaatagcttt cttttcagct tccacgcctt cctgcaaaaa tacaagaaaa 240
atcaattgtg tgtgtgtctg tgtctgtgtt tgtgtgtgcg tgtctatgca attcctctag 300
ggtaacatat ttttacagac ttaagaagaa aagaaaaatg ttcaaactac attatacttc 360
tttaaacatt acatttagaa ctcttaaact gaaaatcaaa aaacacacac agatctcata 420
tgaacataat catgccttat ctatctaagt tctggccttt ctgtgtcttc ggtgatcatt 480
actacagagg gaaaggaacc cctgacagat tttccatgtc tttcatgctt ccatacacat 540
tcttctttca ccattgacac cactagaaaa gaaactgtgg cttttctgag gtttcttttg 600
gtagctcaat tttttttttt aacttgtttt ccactgagtt ctagctaggt gagagatgag 660
atatgctgac atacaaggcg ctacaatata tctcacatga caggccantg ggagtgggga 720
naaatgt 727

<210> 166
<211> 713
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(713)
<223> n is a, g, c or t

<400> 166
cacgagaatt ctgtctcaaa aaaaaaaaaa aagccaaagg tcctctaaaa tggcctgcat 60
ggcactacat tctctggccc tttatcagca ctctgacagc tctctccttt gcttattttg 120
ctcctcattc tagcctctgg atctttgccc ttgctgttcc ttacgctctt ctcccaggga 180
tctgaaaggc tcacaccctc acctccttca gaggtttgct aaaatgtctt ctaccagtg 240
aagccttccc caaccaccac attaaaaaca cacaaccagc acccgttctc tatcttctt 300
cactttgcat ttgtccattg tgtaacatca cttacatacc ttttaattttt agtttattaa 360
ttcatactgc aaaacaactt agtttttacc atgtgccagg cattgtccct agttgctgac 420
aatacagttg aaaataaaat agacaaaaat cccatctttt gaatcttttg aaccttacat 480
tgaggagtgc aggcaaaaac gaggtaaaat cagtaaaata cgtgagacag aacgctaaaa 540
gaaaaaaaaa aggaaagggc tgatttttgt gtcttccctt ccagaatgca agctcccttg 600
aggatacaga tttnggntgt ttttttacta ctgtatctcc tgacaanagg cgcccagtaa 660

cataggtang gcattcgatn ccaatttttn aaaatgagan actaggcagt tac

713

<210> 167
 <211> 714
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(714)
 <223> n is a, g, c or t

<400> 167
 ctttcacgag aattctgtct caaaaaaaaa aaaaaagcca aagtcctcaa aatggcctgc 60
 atggcactac attctctggc ctttatcag cactctgaca gctctctcct ttgcttattt 120
 tgctcctcat tctagcctct ggatctttgc ccttgctgtt ccttacgctc ttctcccagg 180
 gatctgaaag gctcacaccc tcacctcctt cagaggtttg ctaaaatgtc ttctaccag 240
 tgaagccttc cccaaccacc acattaaaaa cacacaacca gcaccggttc tctatcttcc 300
 ttcactttgc atttgtccat tgtgtaacat cacttacata cttttaattt ttagtttatt 360
 aattcatact gcaaaacaac ttagttttta ccatgtgcca ggcattgtcc ctagttgctg 420
 acaatacagt tgaaaataaa atagacaaaa atcccatctt ttgaatcttt tgaaccttac 480
 attgggagtg acaggcaaaa acgaggtaaa tcagtaaaat acgtgagaca gaacgctaaa 540
 agaaaaaaaa gaggaagggt ctgatttttg tgtcttccct ccaaatgca agtccttga 600
 ggatacagat ttngtgtgtt ttttanttac tgtatctcct gacaatagcg cccagntcc 660
 atagtaaggc attcgatcca atttttaaaa atggagatac tagggcagtt tact 714

<210> 168
 <211> 792
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(792)
 <223> n is a, g, c or t

<400> 168
 ctttcacgag attctgtctc aaaaaaaaaa aaaaagccaa agtcctcaaa atggcctgca 60
 tggcactaca ttctctggcc ctttatcagc actctgacag ctctctcctt tgcttatttt 120
 gctcctcatt ctagcctctg gatctttgcc cttgctgttc cttacgctct tctcccaggg 180
 atctgaaagg ctcacacctt cacctccttc agagggttgc taaaatgtct tctaccaggt 240

gaagccttcc ccaaccacca cattaaaaac acacaaccag caccggttct ctatcttccct 300
 tcacttttgca tttgtccatt gtgtaacatc acttacatac ctttaatttt tagtttatta 360
 attcatactg caaaacaact tagtttttac catgtgccag gcattgtccc tagttgctga 420
 caatacagtt gaaaataaaa tagacaaaaa tcccatcttt tgaatctttt gaaccttaca 480
 ttgggagtga caggcaaaaa cgaggtaaata cagtaaaata cgtgagacag aacgctaaaa 540
 gaaaaaaaaag aggaaagggc tgatttttgt gtcttccttc cagaatgcaa gctccttgag 600
 gatacagatt tgtgtgtttt ttactactgt atctcctgac aatagcgccc agtacatagt 660
 aggcattcga tccaattttt aaaatgtgat actaggcagt tactcagttt ctgggcacat 720
 ttnaactttt agacnataat accgattaaa aaaancgggt ncagctagge tacgatncaa 780
 gananaactg tn 792

<210> 169
 <211> 691
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(691)
 <223> n is a, g, c or t

<400> 169
 ctacgaacaa ccatgggtgag tagaaccatc tggattttcc atcactttca tttaaaagac 60
 tctgttgata ttctaggtac tgattccata tatcagtatc aacaaatttc tcaaccaagg 120
 ggataattgg tttatctggt tgcaattcat tccgtaattt agaaaggaga gaaatagctt 180
 tcttttcagc ttccacgcct tcttgcaaaa atacaagaaa aatcaattgt gtgtgtgtct 240
 gtgtctgtgt ttgtgtgtgc gtgtctatgc aattcctcta gggtaacata tttttacaga 300
 cttaagaaga aaagaaaaat gttcaaacta cattatactt ctttaaacad tacatttaga 360
 actcttaaag tgaaaatcaa aaaacacaca cagatctcat atgaacataa tcatgcctta 420
 tctatctaag ttctggcctt tctgtgtctt cgggtgatcat tactacagag ggaaaggaac 480
 ccctgacaga ttttccatgt ctttcatgct tccatacaca ttcttctttc accattgaca 540
 ccactagaaa agaaactgtg gcctttctga gggttctttt ggtagctcaa tttttttttn 600
 aacttgtttt cactgaggt ctagctaggt gagagatgag atatgctgac atacaaggcg 660
 ctncaatatt atctnecatg acaggccaat t 691

<210> 170
 <211> 699
 <212> DNA

<213> Cercopithecus aethiops

<220>

<221> misc_feature

<222> (1)..(699)

<400> 170

```
ctcaaaaaaaaa aaaaaaaagc caaagtcctc aaaacggcct gcatggcact acattctctg      60
gccctttatc agcactctga cagctctctc ctttgcttat tttgctcctc attctagcct      120
ctggatcttt gcccttgctg ttccttaacg tcttctccca gggatctgaa aggctcacac      180
cctcacctcc ttcagagggt tgctaaaatg tcttctaccc agtgaagcct tccccaacca      240
ccacattaaa aacacacaac cagcaccggt tctctatctt ccttcacttt gcatttgctc      300
attgtgtaac atcacttaca tacctttaat ttttagttta ttaattcata ctgcaaaaca      360
acttagtttt taccatgtgc caggcattgt ccctagttgc tgacaatata gttgaaaata      420
aaatagacaa aaatcccatc ttttgaatct tttgaacctt acattgggag tgacaggcaa      480
aaacgaggta aatcagtaaa atacgtgaga cagaacgcta aaagaaaaaa aagaggaaag      540
ggctgatttt tngtgtcttc cctccagaat gcaagctcct ttgaggatac agatttgngt      600
gtttattact actgaatctc cnggacaaat agcgcccagc acatnagtan gccattcnat      660
ccaatttttn aaaatgagat actagggcag tnaactcaa                                699
```

<210> 171

<211> 767

<212> DNA

<213> Cercopithecus aethiops

<220>

<221> misc_feature

<222> (1)..(767)

<223> n is a, g, c or t

<400> 171

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catctcacag agttacatct ttcccttcaa gtaatccttt cgctaaggct gttcttggtg      60
aattggcaaa gcgatatttg gaagcccgtg gagggctatg gtgaaaaagg aaatatcttc      120
cgttcaaaac tggaaagaag ctttccgaga aactgctctg tgttctgtga attcctcttt      180
tagaattttc ttcagaactt gtggcacatc attaaacctc cgtcagtgat cacatatctt      240
catccttttg agtcaattta tttttggaaa cagtcaaaag tcactcggag tgacttcagt      300
agaatgaagt gtgtgatcaa attggataaa aacttttttt tttaatcaaa aatgagtaac      360
taaaaaaaaa agaagactaa attttctttt tgaggcatgt aaactggctc tgaaagaagt      420
tccaaataat tcaaagatgg ttttagcaat ggcagcactg ctgaaatcca tcagtctctc      480
```

aaggtgactt aaaaggataa atatcattcg gatgcataga gccaatccgg tccaccacct 540
gttttgtctg actcacatgc taagagtggg ttttatatatt ttgaatggct gaaaacaaaa 600
gtgaaagaaa agtagtattt tgtgatacat gaaattcaaa tttcagtgtt cattaaataa 660
agntttcttt agaacacagc catgctcatt cttacatatt atttaaggct gcttttcaca 720
ctacaacgac aggnnttcagc agctgcaana aaaaccacat ggcccca 767

<210> 172
<211> 769
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(769)
<223> n is a, g, c or t

<400> 172
ctttcacgag attctgtctc aaaaaaaaaa aaaaagccaa agtcctcaaa atggcctgca 60
tggcactaca ttctctggcc ctttatcagc actctgacag ctctctcctt tgcttatttt 120
gctcctcatt ctagcctctg gatctttgcc cttgctgttc cttacgctct tctcccaggg 180
atctgaaagg ctcacaccct cacctccttc agaggtttgc taaaatgtct tctaccaggt 240
gaagccttcc ccaaccacca cattaaaaac acacaaccag caccggttct ctatcttcct 300
tcacttttgca tttgtccatt gtgtaacatc acttacatac ctttaatttt tagtttatta 360
attcactactg caaaacaact tagttttttac catgtgccag gcattgtccc tagttgctga 420
caatacagtt gaaaataaaa tagacaaaaa tcccatcttt tgaatctttt gaaccttaca 480
ttgggagtgag caggcaaaaa cgaggtaaata cagtaaaata cgtgagacag aacgctaaaa 540
gaaaaaaaaag aggaaagggc tgattttttgt gtcttccctc cagaatgcaa gtccttgag 600
gatacagatt tgtgtgtttt ttactactgt atctcctgac aatagcgccc agtacatagt 660
aggcattcga tccnattttt taaatgagat actaggcagt tactcagttt nctgggcca 720
tttcaacttt tagacaataa taccgatnag aaaaacggtt acagctagg 769

<210> 173
<211> 769
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(769)
<223> n is a, g, c or t

<400> 173

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cagagaacac agnagtcagt ttctcagaaa gcttctttcc agttttgaac ggcaagatat      60
ttcctttttc accatagccc tctatgggct tccaaatata gctttgcaa tccacaaga      120
acagccttag cgaaaggctt cttgaaggga aatatgtaac tctgtgagat gaattctacg      180
atacatgtaa cattctacga acaaccatgg tgagtagaac catctggatt ttccatcact      240
ttcatttaaa agactctgtt gatattctag gtactgattc catatatcag tatcaacaaa      300
tttctcaacc aaggggataa ttggttttatc tgtttgcaat tcattccgta atttagaaag      360
gagagaaata gctttctttt cagcttccac gccttcctgc aaaaatacaa gaaaaatcaa      420
ttgtgtgtgt gtctgtgtct gtgtttgtgt gtgcgtgtct atgcaattcc tctagggtaa      480
catattttta cagacttaag aagaaaagaa aaatgttcaa actacattat acttctttaa      540
acattacatt tagaactctt aaactgaaaa tcaaaaaaca cacacagatc tcatatgaac      600
ataatcatgc cttatctatc taagttctgg cctttctgtg tcttcggtga tcattactac      660
agagggaag gaaccctga cagattttcc atgtctttca tgcttcata cacattcttt      720
tttcaccatt gacaccactn gaaaagaaac tgtggccttt ctgagggtt      769

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```

<210> 174
<211> 784
<212> DNA
<213> Cercopithecus aethiops

```

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<220>
<221> misc_feature
<222> (1)..(784)
<223> n is a, g, c or t

```

```

<400> 174

```

```

cttcaaagt tgaaaaagag ctgaaatgct gcacagctga atgaaggatc ttctcaaggc ,    120
tctcctggcg cgagccaatc ccagcctcat gaacgagaga gatcctgaca cccacagatg    180
ggcacctcac agccacatgg agacagagac aggctcgggtg accagccacc ctacagacca    240
cacggggaca ggctcgggtga ccagccaccc tcacagtcac acggggacag cctcgggtgac    300
cagccaccct cacagccaca tgggacaggc tcggtgacca gccaccctca cagccacacg    360
gggacaggct cggtgaccag ccaccctcac agccacacgg ggacaggctc ggtgaccagc    420
caccctcaca gtcacacggg gacagcctcg gtgaccagcc accctcagag ccacacgggg    480
acaggctcgg tgaccaggca ccctcacagc cacacgggga caggcttggt gaccagccac    540
cctcacagcc acacggggaa cagctctcgg tgaccagcca ccctnagagt aacatgggga    600
caggctcggg tanccagcca cccctcacag ncacacgggg gacnngggctc ggtgaccagc    660
cnacnctnac agncacaccg gggacagggc tnngtttacc agcccacccc tcacagaccn    720

```

cacggggggac agggtttcgt ngaccagccc accccttaca ntccacacgg nggnacagcc 780
ctcg 784

<210> 175
<211> 733
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(733)
<223> n is a, g, c or t

<400> 175
aatgtgggaa atgcatcatt tgaaacattt taatggagag actagtattt gatataattaa 60
tgtaggttc ctcccagaac ttaattttta aaatttttat ccaaacttat ttacttaat 120
tatcaccatt tattgaatac attaattgaa atagctcagc tcttctgacc tgtggagcaa 180
aggmntgacc ctgaggatct cctggaagct gccctcaact aagcagaact ,cagaggaaac 240
ttttgactga gaaactgagg tgggtcaaatt gtgctaattgt taaaatacat aaaatagaac 300
atttctttca atcagaacta ctgacactat tacatggcac aggttgccag ttactctgat 360
tagaaatact aaacagaaaa aagaaaacac ttggcttgga tccttaaaga ggtatttacg 420
gaaggtgttg ccaacacagc ccatcccaat gtctggtgag atttcctgtc tgggagaggt 480
ctatgggcatc tcacccaaac accacagacc ccagtagcat ttcttggtact aatgttcttg 540
tcttttcaca gtgctctgct gatttgggtct ttagataacn tggctctcct tcctcttcat 600
aggnatctat acccctgaa gtgtgggtcc ttagactcag ggggcttctt caaaagccct 660
tttggattca gnanaaaaag aancctgggc acttaactgg ggctnaaaga aacacttctn 720
ccgggttccn caa 733

<210> 176
<211> 729
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(729)
<223> n is a, g, c or t

<400> 176
catgtccttt tcagtaacat ggatgtaatt ggaagccatt attctaagcg acattaatgc 60
aggaaaagaa aatccaatac cacatgttct ctctgtaaa tcggagctaa acattgggta 120


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cccagggaca caaagatggg aacaatagac attggggatt ccaaaatatg ggatgtaggg 180
aggagggaaa ggatttataa agtgtctatt gggactacg tttagtacct ggggtgctgag 240
atcatttgta ccctaaacgt cagcattatg caacatacca atgtaacaaa cctgcacatg 300
tagactctga atctgaaagt tgaaatactt tttaaaagtc tattatatta tcacacaatg 360
accccataaa caacaacaaa aaaaagtga agtaaaaaaa cgcaaggctt ttagacgtag 420
gaatcagaat gatataaaga aggaaaagag atttatacta atatagaacc tttttagaca 480
tgaattttta aaaaatgata cctagggttat caagttactt ttgtgtccac ctaatattta 540
tacactgtat ccctaaccac aattggctgt attttgaaga cagagccctc aaaggaagta 600
attcagggtt tggtgtccct ataaggagga gaacactagn agnatctcag cttctctcca 660
ccccaccccc aacccccaca aaaacatggt aaagaaagnc tttatnttgn gggacacagt 720
nggagaaaa 729

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<210> 177
<211> 679
<212> DNA
<213> Cercopithecus aethiops

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<220>
<221> misc_feature
<222> (1)..(679)
<223> n is a, g, c or t

```

```

<400> 177
catgcaaggc caggtgcagg catctcttcc aatagggcag tgtctaccag gtagggctct 60
tctcctctta gaatcattna tggaaatata attcacacaa cataaaattc accctttaa 120
actatactac acacacacac acacacacac acacacgaat aaaccatatt ccattagcag 180
ttattcaaca cactctgccc ctttgacccc tggaaataat cactaatcta ctggctggta 240
ttatggattt gcttattctg gacaaatcat agaaattgaa tcattaaaca tttgggttatt 300
ttgaatctat cttctttcac ttggcataat gtttgcaagg tttatccatg ttgcagcaag 360
taccaatact cattcctttt tatgcttcca taatattcca tggatatatt ataattttag 420
tcaattttta agtcggtgaa catttacact gtttctcctt tttagctatt atgaataatc 480
ttgctatgaa tattcatgta caagtttttg cataaacacg ttncaattc tctattatgc 540
acctagaagt ggaattggta ggtcatatgg taattctatg ntnaactttt gngaatatat 600
gccaaactat tttccaaagc aactgcaccc atttngtatt accaccatta aggnataaaa 660
ngttcctact ttcttcaca 679

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```

<210> 178

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<211> 737
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(737)
 <223> n is a, g, c or t

<400> 178
 ctttcataat gaaaagaaaa aaatgaattt caactagtat cgatttttcg gtgtgtgggg 60
 gcagggcatt taagggtatt atttcctagt aatgatcact tagattctaa gccttaaaca 120
 tgattcaaat gcagcagaaa tcaggaaaga agcaacagat acggtgggtgc atatcgaatg 180
 tctagactac aaggcaaaac ccaaatacca aagaagcatc catgtgtcaa accagcataa 240
 tttctaagct atgcctgggg ccacatacaa aaaaaaaaaa aaaaagggtta gtttgaaaga 300
 aaaatctagg aggggtaacc agaagggtcaa cccagtttca caggaactgg gaagaagcta 360
 gccgttacc tgtgacatct tcttgagcag cttcctccgc agccagctcc ccagcctcct 420
 tacaatgttt caaaaggcc caactcccta aacatttgct tcttcaaggt catcctaaga 480
 taaggcagtg aataaccacc aaacactgag tcacggatac ctttcggcta aaaaagatcc 540
 cccttcccaa aatcattaca taaatacttt aaatgccaag agggttttct ccggaactcc 600
 accagaaact ccagnactt taatttagat tgggcaacta aatgtgttca anttttgcgc 660
 cataaaatat taaaggcttt tcagggtctgg caantncagt tcaaaacagg tgctttcagt 720
 gtacgctgaa taacagg 737

<210> 179
 <211> 759
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(759)
 <223> n is a, g, c or t

<400> 179
 cagatttttc tttagaatt ttgtttattg caataggatt atcaaagtaa aaattaaaaa 60
 gtaatgaaaa aattaaaaaa ataattttgt agctaccctt cctataaaac ttatccagat 120
 tacttcttga cctatacttt gagagcagag gaaatctagc tacattaact cagtagctct 180
 gcaacttcta ggtaatttct tacctgaaca gtatatccta agtactgtaa ttctgcatt 240
 gcttgcacat ttgagtttat tattccatcc ctgtattaca ataaatattc ttacataaaa 300
 ctttcaagag aaaaagcatt caaggatat gtgtgtgtac acacttatat atatgtgtat 360

```

atatactcct gtaaaccata attggagttt aaaaaatata tggatatttgc aattttctct 420
tctttctctc tgtctctctc tctctctctc tctctctctc tctctcttctc tttegatgga 480
gtcttgctct gtcaccacagg ttggagtgc gtggtgtgat ttcagcttac tgcaacctcc 540
aactcctggg ttcaagtgat tctcctgcct cagactccca agtagctagg actacaggtg 600
cgtgccacca tgcccggcta atttttttgt attttttagta gagatgggggt ttcaccatgc 660
tgnccagact gntcttgaac tccctgacct tctgatccac ccgcctcgtc ctcenaagtg 720
ctgggataca ggmcatgagc caccaccccc gccgggtatt 759

```

```

<210> 180
<211> 770
<212> DNA
<213> Cercopithecus aethiops

```

```

<220>
<221> misc_feature
<222> (1)..(770)
<223> n is a, g, c or t

```

```

<400> 180
cagcttttat atatgctgag ttcaagacac ataagtacat atagataant aatgtacact 60
tcttctgtaa gaagacatat aagactgtaa tccatgagag agggaagtct aagatgacat 120
gtttgggaat cttttatatg gacatgatag atgaagccaa agagaacaat gaaatgattc 180
atgttgagtt atttgacatt ttaaaaagta tataagtatt ttaatagtgt gaccatttgt 240
gtctggaaat tttgaaaagc acaaagatct acaatgatct atttatctct atactgatct 300
gtaggaagtt tttggcatgg gaaattgtgc taatgagtat ttggaaacaa gtgtattaag 360
taagggttta caagatcatt agactttcat tttgcagact caatcagatc tgttcactat 420
agtctcctgt tggcataatt ggtttcctga ggacttatta cctgtagatg cacaattttt 480
cattccaaca atgttctgca ttccttttgg actttcctgt cttgaggatc tctttaaaga 540
gctaaaacct caggaacttc ttctacttgt ttctttaaag tcaggatgag agacagaata 600
aggcatccag ccatgatggg ttttccccag gttcttctct catgctaagc cctttatggg 660
acgatgtgcc tctcaaagga gaatgcagat ctaatactat tgcaccactc tgaaagaagt 720
atgaggagaa ggcanaagag ctatgaaaag aaaaacatcc tgatcttttt 770

```

```

<210> 181
<211> 706
<212> DNA
<213> Cercopithecus aethiops

```

<220>
 <221> misc_feature
 <222> (1)..(706)
 <223> n i s a , g , c o r t

<400> 181
 ctttcatgcc tagtaaagag tggggccttg cctggagagg gaggcctcat gggccagata 60
 agggagatgc tggcccatct gggcacgcat gtgcccgtag gctttccctg tcgagatgat 120
 caactggaaa ggcagagaat gcggcctgga ggctcagaaa catccttgaa gccatatccc 180
 caggtcctag tcctaactgc cactcttttc tttttttgaa atgggggtctt gctatgttgc 240
 tcaggctgga ctccaactcc tgggcttaag cgctcctcct gcctcaactg cccaagcagc 300
 cacaaaccac acctggcctc ttcctgccac ttctagctta gcagggtggct tcactctgtat 360
 acgggggatga cgtgactgct tgggggaatg agctgagccc ttgggtggaat catggttcat 420
 gcaagaggtc tccggcaaaa tgctccaggc ttggagtctg ctgggcgctt ctaccctga 480
 caatccgttt acttaccacc accctctgtt cagacaggga agttctttcc atcaggatta 540
 tagcgaggat tgggtcttcat ggcacccttg gcatccgagc acgtgttggt ggagctgttc 600
 tacgagccag gacacaccag ggaacgggtn cccgcaataa acaccgtct cttcctcgta 660
 ctcaagttct tcgggggttg aacattctga gagcttgctc ttcatt 706

<210> 182
 <211> 740
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(740)
 <223> n i s a , g , c o r t

<400> 182
 cngngnctcg atcgcttctc ccacctcagc ctcccaaagt gctgtgttac aggtgggagc 60
 cactagaccc agctgaatta tggattttta aggctgcttt atgtcaaaca ttgcgggttc 120
 ttttaatat gttttccaga ttttaagattt ttttctttta agctttgtat aatttatagt 180
 aatttggtaa agtacttttg aaaacaaaaa tgaaaacatt tgcttttctt ctctacctga 240
 accctccaga atttagaagc aatttatgat tattcttatt tttacagcaa catgggtatt 300
 tgcatagggt cagtaagaat ctggtctctg tccaggcaca gtggctcaca cctataatcc 360
 cagaactttg ggaggctgag gcaggcagat cacttgagat caggagtcca agactagcct 420
 ggccaacatg gcgaaacct gtctctaccg aaaatacaaa aattagcctg gcgtgttggg 480
 catgtgcctg gaatcccagc tactagggag gctgagtcag gagaatcact tgaacctgcg 540

```

aggtggaggt tgctgtaagc tgagattgta ccactgcact ccagcctggg tgacagagtg      600
agattttgtc tcaaaaaaaaa aaggagggcc aggcatagtg gtcctgcct gtaattccag      660
cactttggga gaccangggg agcgaatcac anggtcagtt cgaggtgact ntaggganaa      720
aattatgttt naatagaaaa                                           740

```

```

<210> 183
<211> 720
<212> DNA
<213> Cercopithecus aethiops

```

```

<220>
<221> misc_feature
<222> (1)..(720)
<223> n is a, g, c or t

```

```

<400> 183
aaacagtaaa aaataaggaa ttttactttc tctggggctc ccaggctctc tgggtgggctc      60
agggcccaag tggagcaggg aagaaggggc cactctttct gaagtctccc tgcataaatg      120
aaaataacag ttgagtggca gtcacacact tagaagcaaa tcattctgat tttgccttct      180
agagcagaga tgtctccctt aagatccatt ttaccccagc agaaaaagcc cgggttgtct      240
ggattgtagc aacgctgttt tgacagaaaag ccctatgatt tttctcacia acttccctaa      300
ggatgctatc tttcagctac acatacttag attatttctt ctccctcacc aactcaatct      360
aatgttgcta aggggttcag tactttctct ctgctgctta cctcgtccca acccccaagt      420
tctttcccaa attccagcag ctgggaccag tctctgggac agagcagaaa taacatggaa      480
attgggggta gggttaaaca catctatcag tctaggaaca ggtagaaaag caacaccccc      540
gtgactacaa gtttggtagt gggcaacaat tttcttatcc atcatgggtg gtgggtgtggg      600
tagtnattga gcataanttt atttgtagag gtgaatttgt ttactgggct ntnaagggct      660
acatggaggc tgtccaagga aaganattcn ataatnaatg gaaatttatt ataatttaat      720

```

```

<210> 184
<211> 775
<212> DNA
<213> Cercopithecus aethiops

```

```

<220>
<221> misc_feature
<222> (1)..(775)
<223> n is a, g, c or t

```

```

annnnactna nnnnnnnnat cggctnnttn nnttgggggg naanccagta cttcaaaact      60
ttgtattatt taataaatga tactgactag ttggctaaac atttgaacaa aagataaatc      120

```

```

tccaaacccat tctaccacc aaaataaatt ctagaaatga acaaagattt caaagtaaga      180
agtaatccac aaaagtacgg aagaaaacaa tcttaaattg gagaaggact ttctaaacat      240
ggcaccaaag gtagaaacca aaaggaatca cttgcagggt tcatcacata aagattttta      300
aattttctata catccaaagc actacaatgt tcagctcaag atggcagggt aggcacattt      360
gcctttcatc tttagagaac catttaaata aaaagacgga ggtacaatga ggaaaaactg      420
taacagggaa gagacgggct ggaacgacag gaagcagatg agccagctgg gagatgaacc      480
agctgaaaga gctgcagtgg agatgaaagc ctgtcctgtg canactgtgg aggaaggagt      540
gaaagacccc acctgtaggt ttggcaagct agctgaggat cgttncncat gattgaacaa      600
natggattgc acnctgggtn tccngccnnt tgggtggana ggctnttnnn ntttnantgg      660
nccaacanac antnnnntgt ttnatnccnc cnnntncngn tnnnannnnan gggcncncn      720
ttttnttnnn ananccacct nnnncnnncc cnnatnaact nnnnncnang nnnnn      775

```

```

<210> 185
<211> 400
<212> DNA
<213> Cercopithecus aethiops

```

```

<220>
<221> misc_feature
<222> (1)..(400)
<223> n is a, g, c or t

```

```

<400> 185
tttttcccg ngggngnnnn nnnnnnnnnn nnnnnnnncc ccccccttn nnnnttgggg      60
gggggggaaan ncccccccc ctttnnnnnn ttttnnnng nnnnngnnac aggttttttg      120
ncgnggggat nntnttance ccannntttt nnncagnng gnnnncannc nnnccagcnn      180
ggngnannnn tgctnnctg cncgnnncca gcccgctct tnnctgnta cagnnnntc      240
ctnattgnac ctccgctnt ntatntaaat ggntctctaa agangaaagg caaatntttt      300
tttctgcca ttttgagcng aacattgnng ngctnnggat gnatagaaat tntaaaanct      360
tnntgtgang aaaccngcaa gtgntttttt tnnngnncct      400

```

```

<210> 186
<211> 951
<212> DNA
<213> Cercopithecus aethiops

```

```

<220>
<221> misc_feature
<222> (1)..(951)
<223> n is a, g, c or t

```

```

<400> 186
ccgccnggtg ntgggaaaga cnnnggacgc ttcagaccac aggnaggtac catcctggaa      60
cctggaatct ggaacctcag gggctgacct ggcactgggt gggcctggaa cctgtatctg      120
cagcccagaa gcagggctctg caggtgcaag cctgatgccca ggctgcaggg gacagccgng      180
agcnggtttt tnttgaggca ggggntgata angccagcag gcccaaagca aagnctaggg      240
cnnatntntg tctctaccc ccatgcngag gatacctnnn ttnaagctgc ggagccngag      300
gaagggaggg ggcgcangca agagaatgtc anaactancc ttncnnacct nctncagngc      360
nacctccagg ngctgtaanc actcactagg anacccttaa ggncnnactg aaaggagcnt      420
ccctangagn gatggnagca aaaaananga nacgacactn cgactgcngg gngacgtgca      480
acntggaaag actctgnncc ctncancacc tcgggnanac tatnacaaag angnccccca      540
ncacctncan aatgaaagna aangtgancg ngcnanacca acnncgacnn ccctnggccca      600
agagaacacc aataacnaga ntagganatc caaaagcggg aaanacnaca gngctatnng      660
gaatgcncaa gccaccatnn cttgcantgg nncaacagnt gnaatcnaaa nctacnnccn      720
cnatacactg gagagacaan naccnagcnc cantaaagcg nnaaaaanga gaaaacgnaa      780
aaaancgcgc annngngcng ncnaatngcc cnnaccntaa ccctccnnan aaaaannaat      840
cnngaacctg gnnacgacnn ncnaagnggc ncaanccncc cncagggcgc tcnncncct      900
gccacnanca cccngagcc ncnnacagagn caccngcctn acncacccan c      951

```

```

<211> 450
<212> DNA
<213> Cercopithecus aethiops

```

```

<220>
<221> misc_feature
<222> (1)..(450)
<223> n is a, g, c or t

```

```

<400> 187
tntctntttn ggggtnnnan nnnnnnnnnn anntccncca atnnnnntgg gggggaannc      60
ctggtttcct gcactctccc tcttttccac tcatgtcgcc aggttccca aatgttcct      120
gactattctt tccctttttt gtgcccacct gtgcccagc cacagcatgt gacctagtcc      180
tgaggagtccg cggtggcaga actgcaggcc gttggggcct ccaagtagac catgcaagtt      240
tcacagccat attnctctga tatcagaagc taaggagtcg tgccctggcca gtactaggat      300
gggggtccgn ctgggaacac tgggtgatgt aggttttttg cttacagnnc cctccctctn      360
tccccctnca gnnngctnga tncacaacca tncctgact ntntntntcn ntntnnnccac      420
ccaactgcat ncnanacaca nncngngact      450

```

<210> 188
 <211> 338
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(338)
 <223> n is a, g, c, or t

<400> 188
 tncncttnt ggnggannna nncnnnnnnn nnnntccnc ctnnntggg gggggaannc 60
 gnnacntnc nntttangaa agagacgacg cttncgagga agaaggttn tgggacgcgg 120
 gactgggnag agctccagag cccagcagc cgggtcaag gnccttgcg cataggcgcc 180
 ccaccngac gncaggagc cgactnccg gangccccgc gcgccgnng anccaggcg 240
 cgggcnnaga ctgngatcnn ggagngccc ngngccnnnc ngacggngcg nnnnggnggn 300
 cnngggcgcg ggcnnngnga nnggacagc nggagcnc 338

<210> 189
 <211> 936
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(936)
 <223> n is a, g, c or t

<400> 189
 ttttnngggg gaannnnnnn ngnggtangn nnnnnnnccn ccgcggttn nccttggggg 60
 ggggaannncc nnnccangtn nctttttcat gnaaagnnga cgacgntctc cgaggaagaa 120
 ggctccggga cgcgggactg ggtagagctc cagagcccca gcagcccggc tcaaggtccc 180
 ctgcgcatag gcgccccacc gtgacgtcag ggacgcgact cccgcgatgc cccgcgcgcc 240
 gtctgatccc aggcgcgggc tcannntttt atctcggagt tcccctgcgc ctctctgacg 300
 gtgcgttctg gcggcctcgg gcgcgggctc tgcgatcgga cagcctggag cctttggcct 360
 cgatttacat gggaggcccc tcgaaacagg gcacgtcact tgccccggg cacctgcgga 420
 cggggagact ctcggttgga ctccaaggcc tgacattccc ctccggtttt caccgaggag 480
 gatgaggatg ttgtcaggag ctgcggcaag gctggaggag cttgcgttgn gtccaccnc 540
 ctctgnacag gccttagcat ncaccncag tttctccctt gacttntgaa ccnaactcc 600
 ttacccccgc aagttnnnc cctgtttnga ttgctgaaac tgcaagtgc ggaagantaa 660
 aatgtttgcc naagctnat gcttnanggn ggntgccngg gtataaggct angggttggg 720


```

ggcccttnnc cctgnngggg nggenttaag ntaaccagg gnncttggca nttnantnt 780
attcaanana tgccanggnn ntccggnntnn aanggnnttt tnnanaaaat nnttnccctt 840
nttannctnt annccnagg gaaanccntn gggctcttgtt tngccctgna aanacnatna 900
aaggggtaat nccccncct tnaatntnnn gncncc 936

```

```

<210> 190
<211> 936
<212> DNA
<213> Cercopithecus aethiops

```

```

<220>
<221> misc_feature
<222> (1)..(936)
<223> n is a, g, c or t

```

```

<400> 190
tttttnngng ganncnnnn gttntnngnn ncccccccc ccatnnnttt nggggggggaa 60
nncccnnnca cgtcctcntn atgaaagaga cgacgcctcc gagaagaagg ctctgggtac 120
gcgggactgg gtagagctcc agagccccag cagcccggtc caaggtcccc tgcgcatagg 180
cgccccaccg tgacgtcagg gacgcgactc ccgcgatgcc ccgcgcgccg tctgatccca 240
ggcgcggggt cagantnnna tctcggagtt cccctgcgcc ttctgacgg tgcgttctgg 300
cggcctcggg cgcggtctct gcgatcggac agcctggagc ctttggcctc gatttacatg 360
ggaggccccct cgaaacaggg cacgtcactt gcccccggtc acctgcggac ggggagactc 420
tcgggttgac tccaaggcct gacattcccc tccggttttc accgaggagg atgaggatgt 480
tgtcaggagc tgcggcaagg ctggaggagc ttgcgttggg tccaccgcc tctggacagg 540
ccttagcatt caccgcagt ttctccctga ctttgaacct aaactcccta cccccgcaag 600
tccttccctg ttttgattgc tgaactgcaa gtgacggaag aattaagtgt tggccgaaag 660
ctgatgcttc aggggggtgca ggntagaggt caggggtggg ggcctngcct tngngngngc 720
atantgtanc ccanggtcn gactgantn ttnnaggaat gcanggaatn gnatannang 780
gtnctaanaa antntcccc tannaactga taccnnagna accntngggc tgnntgancn 840
tgaaaaaccc annagggtaa ngcctnnctt atnngggccc cnntntcnag annaaangcc 900
ctgggggtttc anngaaaacc cnnnnanaaa ntntgg 936

```

```

<210> 191
<211> 951
<212> DNA
<213> Cercopithecus aethiops

```

<220>
 <221> misc_feature
 <222> (1)..(951)
 <223> n is a, g, c or t

<400> 191
 ttttttngng gancnnncng gttgttgnc cntcccgcg attcccttgg gggggnaacc 60
 ccnnncang tncctnttna tgaaagagac gacgcntccg agaagaaggc tctgggacgc 120
 gggactgggt agagctccag agccccagca gcccggtca aggtcccctg cgcataggcg 180
 cccaccgtg acgtcaggga cgcgactccc gngatgcccc gcgcgccgtc tgatcccagg 240
 gcggggctca nanttnnate tcggagttcc cctgcgcctt cctgacgggtg cgttctggcg 300
 gcctcgggcg cgggctctgc gatcggacag cctggagcct ttggcctcga tttacatggg 360
 aggccccctg aaacagggca cgtcacttgc ccccggtcac ctgcggacgg ggagactctc 420
 gggttgactc caaggcctga cattccccctc cggttttcac cgaggaggat gaggatgttg 480
 tcaggagctg cggcaaggct ggaggagctt gcgttgggtc caccgcctc tggacaggcc 540
 ttagcattca cccgcagttt ctccctgact ttgaaccaa actccctacc cccgcaagtc 600
 cttccctgtt tgattgctga actgcaagtg acggaagaat taagtgttg cgaaagctga 660
 tgcttcaggg ggntgcaggg tagaggtcag gggtaggggc ctgccttgt ggngtgcata 720
 tgtagcccag ggtcntggca ctgattntta ttaggaatgc agggantng attagatggg 780
 ttcttagaaa atatccccctn tgnanctgnt acctgagnaa ccgctgggct ggcataacct 840
 tgnaaaaccc agaanggtta nngccctttc ttantngtgg ccnattttt tcaggacnaa 900
 angggccntg gnttttcaat gnaatcnct ttgcnaaan nctgggttc t 951

<210> 192
 <211> 938
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(938)
 <223> n is a, g, c or t

<400> 192
 ttcnngntc ttnntgntan attttcccc ccattttttg ggggggaanc cnacnca 60
 aaaggtagaa attattgata aantntaaat gttacaaact gcngctaaaa gaagcaaaag 120
 agaacatgct gtatgatcct tttttttttt tttttttttt tttttttgag gcggagtttc 180
 actcttgttg cccaggctgg agtacaatgg cacaatctcg gctcaccaca acctctgcct 240
 cnnnttttca agcaattttt ntnncttann ctccctagta gctgggatta taggcatgtg 300

```

ccaccaggcc cagctaattt tgtattttta gtagagacgg ggtttctcca tgttggtcag      360
gctgggtcttg aactcccgac ctcagggtgat ccaaccgcct cggcctccca aagtgctggg      420
attacagacg tgagccactg tgcccggcaa tcttttttct taattttaaa ttttttagag      480
acaaagtctg gcttttctag tncagggtg gagggcagtg gagccatcct ggctcactgc      540
anccttttnc tcccaggctc aagccatcct nctaccttaa ncttctgag tngctggnaa      600
ctacaggtag acaccacat gtcagnctaa tttttttttt tttttttttt ttgaaaccna      660
atttttttnt tgttcacccc tnttggnan nccaggnnga nnanctctnn ccnctcnac      720
cccttacnnc naagnncaat atnaantatc nncctacnnn ccnagntct tnnnttttta      780
annnannttn tatttttntt nnttatantt tacctnnntn tttctnnntn ctanaccctn      840
ntnactnnt nactantct ttttccacnt attcttctct ncnctntnc tnatatcn      900
nncnnnctc tctctntnc ttctttnttt ctnnnatn      938

```

```

<210> 193
<211> 804
<212> DNA
<213> Cercopithecus aethiops

```

```

<220>
<221> misc_feature
<222> (1)..(804)
<223> n is a, g, c or t

```

```

<400> 193
tntngggggt nnnaaaacnt tncnnacata atcgccncaa tacaanttgg gnggggaaaa      60
annctgnntc attctcctnt gnacccatct ccatgccgtg naagcatctc ctncctggac      120
ttgcactatc tgggtccata gcccttgctt attcttaaatt gggagtcact ctgacttgca      180
ttgtggggaa ggggtatacct ggggcacagt cctctgggat ggacacttcc ataggaaggg      240
gcagttatac gtggacttat gtctctctac actctcatcc agaaccatcc acccagaagc      300
aggagtgtgt tcttttagaa accagccggc ccaatcagcc cattttatag gtgaaggcag      360
tgaagcccag agagataaag catcttgctc aaggtcacag agccagacct agactaggct      420
gcctggctcc tagttcaggg ctcateccac cctagccggc ttctggctag acagaatcta      480
cccatcctgg ccagactct ctggtgggaa gtcagggatg cagngggtcag gatgggcatc      540
agagccagca ggccctgagc acggnctacc caagtgaac atgaacttcc taaactccag      600
nggaagttag aaatggcana ttgatcagng ctaatgagct taaaacaccc agggattaaa      660
aaaaaaaaca tgaanaagct ntacttnaag cataaatntg ntnaacanaa agganaccng      720
gctncncnnt ntntnanann nacnnnttgg aggctnaggg ggnnnngnca tnnngggngn      780

```

ganattngnn ttngnaaggg gnnt

804

<210> 194
 <211> 560
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(560)
 <223> n is a, g, c or t

<400> 194
 ttctanttnn nnnnggttnna ancannnnnn ncatnntcgn cncatnnnnn ttgggagggg 60
 aannnaatna ataatcaaan ttagnaattg aatttagaat ttcatttatg aataaaaagg 120
 ctgggaggaa acacacccca accgacacag tggatgcgat aggataagac tatgagcaga 180
 ttttgttctt ccttttcacc gtctgtatct tccatcaatt atttgtatga ttaaaatcaa 240
 tcatttcaga caagagggac attgtgagct atctgtgaga aatgtcttct atctgtttcc 300
 agatagaagg ggctccagct cggtttgggg aaagtcccaa tgccattctc ttaaccaaga 360
 ggtttcctac ctcatctaata gtggagattc tacttaccgc ggaagactcc cctcctgtta 420
 cctcaagtct gcagccggcc tcccagactt ctgcctnctn ctaaccacag cctgcctggg 480
 tgcaggncgg ngggaaagga gggcatangg ggctgnatnc cgnanaggcc ctnnactcc 540
 tngactnang cagggnnctg 560

<210> 195
 <211> 977
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(977)
 <223> n is a, g, c or t

<400> 195
 cnnccccng gntnccnng ggnnnnnnnn nnncccccc ccnanncttt ggggggggaan 60
 nncnnncctt tngngnatt gnnnggnana annngtntt tcnnaatag natngggcng 120
 canttcaact ncgctaatta acggaacagc aggctngnaa ttctgacaac agcaggacac 180
 aaanggggcn gggatcagca ctgaatgccg gcgaagcatg ccccccccc ttaagaagaa 240
 gcaacaacac cagcaccac attnnntntn gggncaggct catgaaggng cnaccctnga 300
 tttagttana ngcctnccc tgcagcaact ccaagggcnc agggttttta aaatgncncc 360
 tcaggccttc ttnagaggna gcaagccngc cccaactggc ctttttcnna aaaaagangg 420

```

aaacaggnc  gngattggtc  nagagcagga  nncgcccagc  ccnttnggct  ccccnngggcc  480
acacngnaag  aaaaagaatn  gnnttggacc  acacagaaaa  cacaccaana  ctaangacag  540
ctgaaaagct  caaaaaaaaa  atcgcnaaaa  aatccctcaa  tgctcnaaga  agtcncaaaa  600
nncgccgngn  gacngnnaca  cagctnccng  gccngcanga  cnncnngggg  ncacaggngg  660
cnacacccag  gaccagnagn  taatatcnna  aaagggtaac  aanaaaancc  ctaataccaa  720
aaangcnatg  anaatggaag  cnnnacntcc  tncaaaagac  aagccctang  gaaancntcn  780
cncnacccnn  nccccaacn  ggcanncggg  cccccacca  aaagggggg  nccgccccgg  840
aannnaaaan  ccnacnnng  ggaaaaanng  accnnaancc  ngaaanngtc  tatancccca  900
cngnccnaaa  acctccang  ncaatnacc  cncctccta  aaaggntagg  annaanacnc  960
ngngcaaaag  ncnncca  977

```

```

<210> 196
<211> 868
<212> DNA
<213> Cercopithecus aethiops

```

```

<220>
<221> misc_feature
<222> (1)..(868)
<223> n is a, g, c or t

```

```

<400> 196
gaannccnnc  nnaaaaaacn  nnnnncccc  nccccatann  ncttgggggg  gaaannnccc  60
ccccacaagn  natantnagn  aggnaggaaa  acacanttaa  tatatctcac  tagcnctcat  120
ttccctcccc  caccctcatc  ccactccact  gctaagagag  agaaatnca  gcactgctat  180
cctgttntat  tatacattnt  cccttngag  tnaaggattn  naagattng  aaagtaacag  240
aatagaaacc  aaaagtnnta  ctcaactncc  aatttggctt  aaaaagagag  aaataatnat  300
tattncctat  gnnacccaaa  actnattctg  nnaataacag  ntataattat  atattcaaan  360
naataaatga  agatcgcaa  aatcacctna  atataatngn  nagcagctaa  agaacaaaaa  420
tnnnnnncat  nngctnctat  aagnagacat  cacatganna  ctncatnga  ccagnaagaa  480
actagnaaaa  ncaggcagnc  acccaccatn  cnnnnctaac  annnnnnnc  nnannctatn  540
caaccnnnnc  ggnatanncn  naagaagcca  aatcaagaaa  nnagaccnnc  atgcctaaaa  600
aaaaanngng  nnatcnnaan  acatcangaa  caggaaccng  nngnanataa  cacaggmann  660
cāāāgcnnna  ncncaannn  cnagaaccn  naaacanaaa  ggcagcnnan  anncaagann  720
agaaacngaa  nncacanaac  acanagcann  nncncanaaa  gcnnnnnnca  nnnnngaacg  780
aagaaannnc  nnnnnaccaa  aggcncnaag  ggcnnncaaa  nccnnngcc  aannnaaaaa  840

```

aaaccnanca aaggcncnng anggaaaa

868

<210> 197
 <211> 260
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(260)
 <223> n is a, g, c or t

<400> 197
 ttttcnggng gannnnnnnnn nnnnnnnnnn nccncnccgn tnnnnttggg ggggaaannc 60
 nnnncacang nnatnttngn ggaggaaaac acatttaata nanctcatta gccctcattt 120
 ccctcccca ccctcatccc actccacngn taagagagag aaatnncagc actgntatcc 180
 tgnnnnatna tacatttncc ctnnngagtn aaggatnnna agatnnngaa agnaacagaa 240
 nagaaaccaa atnttttttt 260

<210> 198
 <211> 901
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(901)
 <223> n is a, g, c or t

<400> 198
 ggganancnnn agnnngaana nnccaacccc gccaanatnt anggggggan actntcacaa 60
 gtatacaaga ggaggaaaac acaattaata tatctcacta gcattcattt ccctcccca 120
 ccctcatccc actccactgc taagagagag aaatttnggc actgctatcc tgtntatna 180
 tacatnttcc cttttgagtn aaggattnna agattntgaa agtaacagaa tagaaaccaa 240
 aagtttntct aactnccaan nnggctaaaa agagagaaat aatnattatt tcctatgna 300
 cccaaaactn anncngnaa taacagntat aattatatat ncaaataat aatgaagan 360
 cgccaaaatc accttaatat aattgncagc agctaaagaa caaaaanncn ncncannngc 420
 nncnataagn anacatcaca tgatnactnc tatngaccag naagaaacta gnaaaancag 480
 gcagncaccc acccacncnn nnctaacatt cnnnnncnna nncnanccaa cctnnnncgg 540
 natatncnna agaagccaaa ncaagaaaan nagaccnna ngccnaaaaa aaaacngngn 600
 nancnnaaac atcangaaca ggaaaccagn ngnaaaataa cacagggnat ncaaagcnn 660

tanccggcan nnnnccaaaa acccctaacc anaaaaggcn gncccagaac ccangaaana 720
 gaaaaccnga aanncccngg nnaancccg gncnncccc caatccacaa ccccccgna 780
 naancncccn aaaccancc aaaacanaaa acccngnggc naaaaaggcn cccnaaaaa 840
 aanggnccc cggnccggcg gncgaacncc cnagggcncaa nannggggng nagncaaaaa 900
 a 901

<210> 199
 <211> 885
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(885)
 <223> n is a, g, c or t

<400> 199
 ttttttnggn ggnttttnnc nnttttnntc nnnnnncccc cccgattnnn nttngggggg 60
 aaannnccnn nccanaagnn atnttagnag gaggaaca canttaatat atctcactag 120
 cattcatttc cctccccac cctcatccca ctccactgct aagagagaga aatttcagca 180
 ctgctatcct gttttattat acattttccc ttttgagtta aggattttta gattttgaaa 240
 gtaacagaat agaaaccaa attttnntca acttccaatt tggctnaaaa agagagaaat 300
 aattattatt tcctatgtta cccaaaactt attctgttaa taacagttat nattatatat 360
 tcaaattaat aatgaagat cgccaaaatc accttaatat aattgttagc agctaaagaa 420
 caaaaatttt tttcatttgc ttctataagt agacatcaca tgattacttc tattgaccag 480
 taagaaacta gtaaaatcag gcagtcaccc accattcttt tctaacttc ttttncttat 540
 tctatncaac ctttnngta tattcttaan aagccaaatc aanaaatan accttcacgc 600
 ctaaaataaa attgtgntat cttatacatn atgaacagga acctgtngta tataacacaa 660
 nntatnncaa agctttatcn cantttctan aacccttaa caaaaangca nntcanatt 720
 nnaanattan aaaactnaat tctggacca antgtanatt aactctnna acatttttnn 780
 gtgnattaan naaaaactgg nnnctatcc ttaacttta naggtcanc caaanttnn 840
 nnanaacaan ncctnnnnan aancaantta tatnaacca nctan 885

<210> 200
 <211> 941
 <212> DNA
 <213> Cercopithecus aethiops

<220>

<221> misc_feature
<222> (1)..(941)
<223> n i s a , g , c o r t

<400> 200
 ttttnggggg anntanangg nnnnnnnnnn nncnngnnn nnattggggg gaaannnccn 60
 nncttngnat ttagaggagg aaaacacntt taatggatct tattagcttc atttccctcc 120
 cccaccctca tccactcca cngntaagag agagaaattt cagcactgct atcctgtttt 180
 atnatacatt ttcccttttg agtnaaggat nntaagattn ngaaagtaac agaanagaaa 240
 ccaanntttt ttttcaactg gnaattnggc tcaaaaagag agaaataatt atnatntcct 300
 atgttaccca aaactnatcc tgnnaataac agttatnttt atatattcaa attaataaat 360
 gaagatcgcc aaaatcacct taatataatn gncagcanan aaagaacaaa aatnctttca 420
 nncngcttna ataangnnga catcnccatg atcacctnct attgaccagn aagnaaacta 480
 gnnnnaatna ggcnanncac ncacnanann nannchnanc accannnnna cnaannncna 540
 ttcaacannt nannggnana ntncnnaat aagccnaaat aanananann gccccnana 600
 gcctaannan nancgaggna atgcnnnncc caannttnaa caggnatncc nggcagngnt 660
 tntaacang annatttcn angnnnnanc cggnaatact nnnanaannc cnannaaann 720
 naaaggnnan tcnnaatnca angttnaana aaangnaatn cccccnnnnn antantaaat 780
 aangncnna ntannannnn nctancatcn cncncnatgc acnnnnnaaa ntnnnnntn 840
 acnnncnnc nngnnaaan nttnaangga nnnnnnnntn ancacannnn cncannaang 900
 nnnnnnaana nccacaannc aacacatnan caancacnaa t 941

<210> 201
<211> 886
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(886)
<223> n i s a , g , c o r t

<400> 201
 ttttcccnng gntnnnnnt nnnnnnnnn nntcccccc catnnnnntt gggggggaaa 60
 ancacagnaa cacagngttt nngnnctcag naaagctttt ttccagtttt gaacgtaaga 120
 tatttccttt ttaccatat ccctctatgg gtttccaaat atccctttgc caattccaca 180
 agaacagcct tagcgaaagg cttcttgaag ggaaagatgt aactctgtga gatgaattca 240
 cagaacacaa agcagttttt ttagaaagct tctttctagt tttgatctga gaatatttcc 300
 cttttcacca tagacctta tgggcttcca aatatcacgt tggaaatttc acaagaacag 360

tgttagcgaa aagcttcttg agggaaaagc tataactctg tgagatgaat tctacgatac	420
atgtaacatt ctacgaacaa ccatgggtgag tagaaccatc tggattttcc atcactttca	480
tttaaaagac tctgttgata ttctaggtac tgattccata tatcantatc aacaaatttc	540
tcaaccaagg ggataattgg ttnatctgnt tgcaaantca ttccgtnatt tnanaaaagg	600
agagaaaata gctttctntt cancttncca cgccttnect gccaaaaatn ccaanaaaaa	660
ancaatngng nngngnggcc ncgntntntg nngnttngng tgtncctn gn nctntccnan	720
tcccnntnag ggnnaacnaa tttttncnga ctttaanaaa naaaanaaaa aanngnncna	780
accacnttnn aaactnnttt aaanntncca tnnnaaacct taaancnnaa aaccaaaaaa	840
anccccacn ancnnnnnnn nanananann nnnccctan ttnttt	886

<210> 202
 <211> 925
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(925)
 <223> n is a, g, c or t

<400> 202	
ttttntggng gannnctnnt nnnnnnttn nccccnct annncttngg ggggaannnn	60
cnncccactt agnatTTTTT ncncaaaaa aaaaaaatag ccaaagtcct caaaacggcc	120
tgcattggcac tacattctct ggccctttat cagcactctg acagctctct cctttgctta	180
ttttgctcct cattctagcc tctggatctt tgcccttgct gttccttacg ctcttctccc	240
agggatctga aanntTTTTT tccctcacct ccttcagagg ttgctaataa tgtcttctac	300
ccagngaagc cttccccaac caccacatta aaaacacaca accntttccc gttctctatc	360
ttccttctact tngcatatgt ccattgngta acatcactta cataccttna attntnagct	420
natnaatnca tactncaaaa caccttatnt nttacatgt nccaagcatt gnccctant	480
tgcttnacan tacanncna anatnaaatt cnacanaaaa tcccatnctt tttgaatntt	540
tttgaacctt acattngnaa gtnncannca aaatccnang ttaaancata aaaatncccn	600
tgnanacnna acccctnaaa naaanaaaat angaaganag gggcctgaat tnnngngcnc	660
tttccctcc caaantncan acntcctn gn angnaaccnn atctnnnnng nntnnnnntc	720
actnccgtnt nttcccgaca anaancnccc cnnnnccctn ntnggccctt ccatnccnat	780
tnttnaaana ttaaaanccc ccnncncten ctaantnct ngggncnat ttcaaacttt	840
tnaacnaann anncccncc nnnaaaaacn ncnncnccc tnnngnnccc annnaaatc	900

atccnnentc nntcctent ctcen

925

<210> 203
<211> 895
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(895)
<223> n is a, g, c or t

<400> 203
ttttttcngg gattnctnnt ntntnnntnn ntcccccat tnnncttggg gggnaannnc 60
nacgattcan gtnttatnnc tacgaacaac cattgtgagt agaaccatct ggatttttnc 120
tcactttcat ttaaaagact ctgttgatat tctaggtact gattccatat atcagtatca 180
acaaatttct caaccaaggg gataattggg ttatctgttt gcaattcatt ccgtaattta 240
gaaaggagan anntttcttt cttttcagct tccacgcctt cctgcaaaaa tacaagaaaa 300
atcaattgtg tgtgtgtctg tgtctgtgtt tgtgtgtgcn tgtctatgca attcctctag 360
ggtaacatat ttttacagac ttaagaagaa aagaaaaatg ttcaaactac attatacttc 420
tttaaacatt acatttagaa ctcttaaact gaaaatcaaa aaacacacac agatctcata 480
tgaacataat catgccttat ctatctaagt tctggccttt ctgtgtcttc ggtgatcatt 540
actacagagg gaaaggaacc cctgacagat tttccatgtn ttttcatgct tccatacaca 600
ttnttctttc accattgaca ccnactanaa aaagaaaccn gtggnccttt ctgagggtttt 660
ttttttngnn anntnaattn ntntttttta aacttggntt ttcncctna attnttanen 720
taggntnana aaangaaana ntgcctnnna tnaaaanggn ncctncaatn ntatnttacn 780
cnnanaagnc cnattgggna gggngcanaa antntnanng ggnnacnaaa ataaaannaa 840
aaataactct nnnanccttt ggttttacat taacnaaana nntctncccc caana 895

<210> 204
<211> 887
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(887)
<223> n is a, g, c or t

<400> 204
ttttcnnngg gntnnnnnnn nnnnnnnnnn nnaccncng tnnnnntngg ggggaannnc 60
cnnccacga gnattttttn ctcaaaaaa aaaaaaagc caaagtctc aaaatggcct 120

```

gcatggcact acattctctg gccctttatc agcactctga cagctctctc ctttgcttat 180
tttgctcctc attctagcct ctggatcttt gcccttgctg ttccttacgc tcttctccca 240
gggatctgaa aggnnttacac cctcacctcc ttcagagggt tgctaaaatg tcttctaccc 300
agngaagcct tccccaacca ccacattaaa aacacacaa cagcaccctg tctctatctt 360
ccttcacttt gcattngncc attgngtaac atcacttaca taccttnaat tnttagttna 420
ttaattcata ctgcaaaaaca acttantttt taccatgtgc caggcattgn ccctagttgc 480
tgacaatata gnngaaaata aaatagacaa aaatcccatc tttngaattc ttngaacctt 540
acattgggag tgacaggcaa aaacgaggna aatcagnaaa atacgtgaga cagaacgcta 600
aaagaaaaaa aagaggaaag ggctganntt ngngncttcc ctccanaatg caagctccctn 660
gagaatacag annngngngn nnnnnacnac ngnatctccn gacaatagcn cccannacan 720
annangcatt ncnacccaan tnnaaaaang annaacnang gcannnnccn aannncnggc 780
cacatnncaa ccntaaaaca anaanacca anaaaaaaac ngnnncagcn agnncacnaa 840
nnaagaaana nccgnnncna attnnnggng caggccntna aanncca 887

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<210> 205
<211> 843
<212> DNA
<213> Cercopithecus aethiops

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<220>
<221> misc_feature
<222> (1)..(843)
<223> n is a, g, c or t

```

```

<400> 205
acccccccca tnnnnttggg ggggaaaaac canccagtaa nagttttggn gcaaggngng 60
tggtctcttaa tcatcagggg caaggtagat ttaattctcc attatccatt aattatttaa 120
tgaacaccaa cagtgggatt gcaagtggga ggtttagaac aacagggctc tgtggcaaag 180
actactagac catggtatca ctagggacag ctagttgggg aggcnttnng ggtattactt 240
ggcttataaaa accaaaatag accaacagca gattattaaa atgctggtgt tggctgccaa 300
gtggaacgta ataatcacac atctggtttt ccaaattgaa cagttcttag atccagaatc 360
ctgtgattga tagagatgct agatcctttt gcagaaaatc ttataatgcc ccaatgaatt 420
tatagtagta atttcccaa tccttctcca aaagaatcta tgctgcagaa aataaaatac 480
ctgnacagng ngcattacat tgngcactac agagatgaaa gtagccaaat atttcaagtg 540
ctgnngaate canagttnga gatgacacca ataccagaga aaacaaaaac catcatgatg 600
ccctggntag ggnggggtgt ngaaanccan gnggaaaaan aaagncttgg gcccnacant 660

```

ncanatataa atgnncaaag agncnggcna cccnccccgn naanaagggn agggncnctg 720
 nnggccnaaa nnaggnnngg aagcaccnaa anaannngaa anaaccccc accaaaaccc 780
 ccgngcncn gaccnggana ggggggnncc cntncncann ccaaaanggc ccannggnnn 840
 ncc 843

<210> 206
 <211> 927
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(927)
 <223> n is a, g, c or t

<400> 206
 ncncccccng gnaancccn ggngtaannn nnncccccc ccaatanntt tgggggggna 60
 annncccnnn canagtgnaa tantaagnaa ncaaaggcag cngagtcagn accaaaacta 120
 acagnanaat aacagnaaaa nnnccaccac catatgaaag caggggaaaa atatatggaa 180
 acagatatgg ccaaaaaaaaa ggatgcagac aacgaagnaa gcggacagaa gcccgagaag 240
 aaaaacgggg ncgggggaga aaggagacta tnaataggaa aaangaaaaa gcanacacag 300
 ggcgactgag caatacagaa agcaaagang cnggataaaa agcagggccc tagagtggga 360
 gtggcncaac acgaagaggg gcatccagag ggggaacaca gcgcnnggng acaggagggg 420
 gnccaaaang gaggaaaagc gcccnncnca gagaaccanc aggcgcggcc cccccgggg 480
 cggcagccgg ggagggggcc cacagangng ggngagaagc caagaaacnc agcgganggn 540
 agggaaancac ngggccangc gcaggggaca cccccagaa gccnaggaca gaggaggggg 600
 caaggngcac actaagganc cnnnaangaa cggccagagg ngcaggancc cacannagaa 660
 gnaccngaa ggggcaggng caggcaagnc cccgcngcan gaggacaaaa cngggcnngcn 720
 gaaaanggnc gccccnncac ccncncngnc cnaaaccac ngcaaccacc agncnnnnac 780
 annaanccn aaaacacaaa ngnccccacn nnanccancc cganaaaagg cnaanaacca 840
 ggngnaancc naccaccng gnccgnanga cccnggaaac cnnnanncca nncnnaannn 900
 nnaccnnaaa ccaaaagnnc gannacc 927

<210> 207
 <211> 940
 <212> DNA
 <213> Cercopithecus aethiops

<220>

<221> misc_feature
<222> (1)..(940)
<223> n is a, g, c or t

```
<400> 207
ccccggnatc ntttctgtnt nntnctnnnc cccccctta ttttgggggg ggaannnecn      60
nnnctntnnnn nnnttttncca ccnaaaacta tttnttntnc tnncccgctt atcctccaaa      120
ctagcaatan ttcggttctt ccctcttgct ctggggcgga ttcttgaaag tcgtttattc      180
tcttaattaa tacgccgctc cagccccgcc cgttcagctc attctcttaa tcgcattacc      240
ctggctgcng nnnctttttt ttttttccac ctgctgccac ccaccagac accgcctnecg      300
gctctttccg gaccatctca gtttctctc cttccccngn cccaattttc tttaggctat      360
ttctgggtcc cgtaggtttn tcatgctctc gttagcccca ccccatcacc accancggct      420
ctttttcggc tctctcccg cncctctgt ctctgctca ggctcttttc cagctattnn      480
cgactccctt cntactcacc ctttgcttc ngaaactntc ccaccngccc ttcaggcaaa      540
tcngtctcna cccctantc ccgcacgtga acacagncct nccccctcg cttctttaga      600
nccccctct caccnnnncc ctttcnnc catcctcaaa actanangg tgggtacngg      660
ccnancncc cnttttggtg nnaannncc gaatcgccgn caaggncctg gtnctntccc      720
ngaaaancct atngncnggn cacaaacang ggaaacannn ttncacccn ttntccactg      780
anccncttcc ccntcaccc ttnaaanaca ttntttnnnt ttatctaaaa ccttcancc      840
ccncctcct tcggncacct cnttntant ncccatatan cccntagnt natnctnca      900
atncngcac cnnntntnta tctaataaaa cccaacccc      940
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<210> 208
<211> 881
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(881)
<223> n is a, g, c or t

```
<400> 208
tttttccnng gnnattcnnt gtnnaatntn ntntcccccc catnttttgg gggggaanac      60
ccgnanttga aatttnggga caaacaaca tanccttttc tctttccttg aagggttaat      120
gctccaacca gcctcagatt ggctcgcttg aatcttaaaa ttacttttct ggtcacgcgc      180
gccgaaggct taagcatttg tgaaatgtct tttttcccc ccccccaccc ttgatgctgt      240
tctctttggg nttttttaat tacacagggg ttgagaaacc aaattaaaat taggcgtgtc      300
tggtcaacag tgatcacgtt gcatgctttt agctttgntt gttgaagttg cttctctcc      360
```

```

ctgagtggct ttcctccttt tttttttttt ttttttattt taaaaaggaa atatcataag 420
ctctttcaga aatactcaca ggaagtgagt gtccgtatgc tggttactca ccancaactg 480
agtgttggca ggtggagaat gctaccgcag ccgcccagac agatctgcag actggcccca 540
ttgcagagga ttagacacag ggtgcgtgga tcatagggtt tttgtacaga angcagtttt 600
aagaggaaat tggtcactgc atgtcatctc gaggggtggt gattcangga gccaggcctn 660
ggggttcana aagnacgttg ctngccatct tnggagggtt cctgctcact tntcaaangg 720
ncaggctngc cttttaaaaa tcaatgttcc ttccaccccc aaaagggntt ctttttgcag 780
tgaatcanct nccaaaataa atagcccccn tttttttgga aaagaacgtt tgnaaatccc 840
ncnttttaat ggnangtttt naattngggg gttnantcaa a 881

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<210> 209
<211> 896
<212> DNA
<213> Cercopithecus aethiops

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<220>
<221> misc_feature
<222> (1)..(896)
<223> n is a, g, c or t

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<400> 209
tttttcnng atnttnattt ntanacttat cccnccatt attttanggg ggnaancct 60
nncanaatat tgtnttacia atatcatttt nggtgatgta tgtcaaaacc aaaactgcct 120
ttatgtcaat atgctgtaaa aatctatcag aatatacttt aattcttaac tttcattggt 180
gtctgtgggt tgtcttgat aattattatc acatctacag tattttctgt aggtaaatat 240
gaaatgtttt tttnatgtac cagggggaaa atgcccttta ataagccttt ccctagacaa 300
agcaccattt aggcgttttag aagcaagaac tagtgannct agaaattgct gtcatacata 360
ctcacctgtg aatggctgta caaaggatcc caagcgcagg acttgtcctg gaagcagagg 420
atcggtatcc accaggaaaa gaggcaagta gaaatgccaa atgccagcgc tccctttccc 480
cagctcatct tatttgtagg cactcagatt tttggaatcc tccaggacta acaaatanaa 540
accacactag gttgtttttc ctaattncct gtgaaatgag tcangtangt caaacanctt 600
atccactcca gagagagaac caattccttt gagctacact ccctgttttc cagtnaccct 660
aatnccctct ntgggtgtcc ttgaanaaag ggnntgccna ccantgcatt ggagagccca 720
ccgggtttnt gaatgaagan nattgtnaaa antnnccaaa aagttaannn gccttcaagg 780
gganagttn cttttntgaa nattnaagna ggaaaaatcc cannttaaaa tacctgggnt 840
cngtttttt nntaaaaaan cnnnnnactt ttttttggnc naangntttt tttttt 896

```

<210> 210
 <211> 869
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(869)
 <223> n is a, g, c or t

<400> 210
 nnccttctaa tttnttagtt tnnagctca cttataaanc aggctacagt gttattctta 60
 agtattcatt gttgtataac aactacccc caaaatttag gagcttaaaa taacagcaaa 120
 cacttattat ctctcatggt tctgtgtgtt gactagacat ttcggctcct gtgcagatgg 180
 ctggagcact gagctntttt ttnggtctac agtgctctcg cttacatagt aggcactagt 240
 gttggctgct ggtagcaagc tcagttgggt gtgttgacca gannnnttgg ttctgctcta 300
 gagcattgta atantgagca tttcaacagt attaacccaa catgcaaaca ctcactatag 420
 taagcaaaat aaaataaaat aaagccccc cccagatatac tatgctctaa aacttccaaa 480
 cgtatgaata tgtnacctta aatagcaaaa ggcactntgc agtgtgattn angcaagatg 540
 gggcagagtg tctgggaata tccangtgga acccaataat gcaaataaaa aaaatcnttt 600
 tataanangg naggtaggaa ntaanacatac tgntcancat taccgctgcc nggtttttng 660
 aaaaaaanaaa ttnggaagaa aggggccnca agccaaggga atnccaggca tttcnctaan 720
 tnggccaaaa caanannatn aaaantcntc ccccnnnnnc cnnchnaaaa aaantgnaac 780
 cctgggcgnc cncnttgatt tttnnnceca angancctnc ctnaccaana nantnaaaaa 840
 aaaatctntt gntcgnnttt nancnaaan 869

<210> 211
 <211> 874
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(874)
 <223> n is a, g, c or t

<400> 211
 tttttngggg atttcccttn tanantnnan cccccccctt anttgggggg gaaatacnnc 60
 ccattaacag ttttactcgc agcctctgct tngtctacat ctgctgcaa cttttaacta 120
 atggcgagat actttcgcta tttccgatgc cattaggaaa caaatagaaa aatagtttgg 180

```

caacaacatc ttctcgaata ttatcacttg acaaatttta acgttttagg tggaaacgga      240
attttaannt tttgttttaa gaagcttaaa aaaaacaggc atgcttaatt agcataatgc      300
tgaatggcag ccaatcacia actgaatttt taaagcnnga agtgtttgct cctggcggtgg      360
cgcgcccgcc tgtaatccgg gaatcccagc gttttgcgag cccacgcca ggccgaggag      420
ggaggatcct ttgttccacg agttcgacac cagcctaggc aatatagcag aattcagttc      480
aatgactcta ggcttttagcc atgcagtatt aacaaatggg atattaacaa tattaacaaa      540
tgggataaaa accaagaact tgacaaatgt gttaatttcc tatttctgtt ttaatacatt      600
acacaaaact aactgcctga aaacaaaaca aaagntntta tttttatagt tctctaaatc      660
agaanttttc attggggcct aaaatcaagg tnntctgcaa ggctgcattc tttntgnagg      720
ctgtagggga naaatttcat tgccttgnt ngncctttaa naaagcctgt tttnccttgg      780
cttggnngcc cttttttcaa ttcattttta aaaccccnan nnnatnngnn ccnntttctn      840
cctccncctc cncnttaaaa nattttttnt gngn                                     874

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<210> 212
<211> 866
<212> DNA
<213> Cercopithecus aethiops

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<220>
<221> misc_feature
<222> (1)..(866)
<223> n is a, g, c or t

```

```

<400> 212
annnnnnnnn nnnnnnnncc ccngatann ttggggggga aannncnca tttgagtgt      60
ncagggcaaa accaacagta aaccagacta ctaaagattt acttgtggaa tttttttgca      120
aagtgtcaaa gggcttatag agaaaatgaa acagttcttt aaagatgttc ttgagcgagg      180
tttttttttt tttaacttac taaaagactt tatgttttag aacagttttt gtttacgttn      240
agcacgtagg acgtccccac tacacacaca gnttctctta ttaatagata ttagtatggt      300
acattngntg caactaatga accagtaatg ataaattatt aactaagatc catagntnat      360
tcctgcttcc tcacattnta tctaaagncc tttntctgnt ccaggatccc agctaggaga      420
tngaagacc ccacctgnag gttnggcaag ctagctgagg atcgnnncgc atgatngaac      480
aagatggatn gcacgctggn tctccggccg ctngggngga gaggctatnc ggctatgact      540
gggcaaca gacaancggc tgctctgatg ccgccngnn ccggctgnca gcgcaggggc      600
gcccggnncn tttnggnaan accgaccngn ccgngcccn gaangaacng caggacnagg      660
canngcggnn atcnggntg gccacgacgg gcgnnccnng cgcannnggg cncnacgnng      720

```


nnacngaaac gggaagggn cggcngnna nngggncaaa angccggggc aggaaccncn 780
 gnaannaaa ccnggnncn gccnnnaang aaccanaang ggngnnnnaa agnggggggn 840
 ngnanancnc ngnaaccggn nncccc 866

<210> 213
 <211> 998
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(998)
 <223> n is a, g, c or t

<400> 213
 ttcgggggtc tanaangtnt nntnntncan ncccccccn tttttggggg gnaannncnn 60
 nccagtttnn natttggnnn nggagcataa attnagtcgn ctctctcacc taaaactcat 120
 ggtctggtgg aggetccgcc tcctttgtcc cctttcatgt ttctgtctca gcatgcctgg 180
 ctccctaagg ntcttcatct ttgcaggtt tatctcaagn ctcaattgaa ccgccnctc 240
 ctgncaggcn tttttnnct gggaggtgag cagnngggc cggaatgtg ggagctaagg 300
 gcatagatgt gaggaccncc ctatgaanag gaaaaggann cncctggaat gcanacctgg 360
 gactgtctgt atacctgcct ggtcactaaa tttctctgag aggcataac agnnaaaanc 420
 ctganagggt tatngccaag agcatngatg gggctctgctt tctgggangc agggataaaa 480
 ggnngtgata ccanaggga ttatntctca gccaggncnc tccttccent gtangannag 540
 tcccttgagc cncnnncna ctnancnntn ttttnaatna aacnccccn tnnncgggac 600
 aacgggaann tccctatann cctccannc tnggttgnnn aanncccggn gctaaaagca 660
 atcnnncnntn ncctnggtc tncacaaaan ggctnagaat naccangtg nagccccntn 720
 ntccctant cccccctgna nncctatnat tntttccaan taaccaatna nccccccan 780
 aaccannat acancacaac atngaccccc ntcaaaaacca acanccnnt agacntntn 840
 ccnactntnt aggnatng cnaaccgnaa gcntttgttn tngaanttan ccaagggcct 900
 cncnaacaan ttcaaaaana agtggtgntt ccccccncct naaccccgng ccccccacnt 960
 caacanant aaaaannaan acccacncc nntngtng 998

<210> 214
 <211> 956
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(956)
 <223> n is a, g, c or t

<400> 214
 ttttttcggn ggattnctnn tttnttnnt tnnnnccccc ngtnnttgg gggggaannc 60
 cancgttctn nctatttctt tcttgacgag ttnttctgag cgggactctg ggggtcnaaa 120
 tgagctagcc cttaagtaac gccattttgc aaggcatgga aaaatacata actgagaata 180
 gaaaagttca gatcgaggtc aggaacagat ggaacagggt cgaccggtcg accggtcgac 240
 cctagagaac nntttnttgt ttccagggtg cccaaggac ctgaaatgac cctgtgcctt 300
 atttgaacta accaatcagt tcgcttctcg cttctgttct ntcgcttctg ctccccgagc 360
 tcaataaaaag agcccacaac ccctcactcg gggcgccagt cctccgattg actgagtcgc 420
 ccgggtaccc gtgtatcaa taaaccctct tgcagttgca tccgacttgt ggtctcgctg 480
 ttccttggga gggctctctc tgagtgattg actaccgctc agcggggggtc tttcaatctg 540
 attgcctctt gcttgacggc aaggagtccc gaccactgaa cactgatgac ctcacttggt 600
 gtgattgtct cttgcttgac ggcgaggagc cccgacgact gaacatggat agtcgccgcc 660
 acagcacggt gatcanaagg ctttcgttcg acttatgant ccgacgntcc ggggagttca 720
 aagccccctt tcnactcctt gggncctttt ngtnnttntc ttgnccacct ttcttgactt 840
 cttnaanttt gcttctggan tgntaatnct natcnnaaan ccttgtttgn aaaancntgg 900
 cccnggncc cngnttcntt nccccccann tantgnttta ngncctttt tggaaa 956

<210> 215
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(915)
 <223> n is a, g, c or t

<400> 215
 ccncaacct ngagacccta aagacattgg agcagcccca tacacctct cccagggcac 60
 acaaaggccc ctgacatgcc catggcagtc caaggcctcc aattggagcc atctttggta 120
 aatctggggc ccatcagccc ccaactgcct tcttggtacc ctgagcatgc tggcaagggg 180
 actnnttttt gcatcccatc ttgtntcata taccacagn acctgatgtg gacatgactc 240
 accctggggc cctgtgagtc aataagggtg tntgantaag gggcagagca tttcaactta 300
 gtcccataac ccatgagctc attaagcaaa tattacccat gcctagattt ggggccagtc 360

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actaccact ggaggctgtg ggctccaagg tatggcagca ggggaggcca gccaggcntc 420
tgcccagctc acccttccct gtgaggatgg acnccagcca ggcctcccac ctccaccct 480
agactggggg acccggggtt ggggggcaag aaaggggacc tgaaagtggg tgtctnggag 540
ntaagcccat ttcttnata ctccnccaat aggganccaa gaaggngggg tnagagttac 600
cccaanaact caccccaacc cantntnaac gctgtggggg ctcaangggg acangcnaaa 660
acnaaaantn anacngggcc aaaaaagaac aggtncggnc ctncnccnan ggaccttttn 720
ttttctacca ccttaccan nanaatnctt gaccaggggc ntttcccaa acncngnaaa 780
anccttcaag cntngncact nttnanaccc ngggcnnnnn aaggnttagg gcctcttnnn 840
ancnctntgn cnggttncca tngnntaaaa accccaangn aactcctcca aanaacaagn 900
anccnntctn ggtnn 915

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<210> 216
<211> 949
<212> DNA
<213> Cercopithecus aethiops

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<220>
<221> misc_feature
<222> (1)..(949)
<223> n is a, g, c or t

```

```

<400> 216
tttncngngg nanntttntg nggaannctt nncnnccccg gnttttttgg ggggnaannc 60
ncatcgttct tactattgcc ttcttgacga gttnttctga gcgggactct ggggttcgaa 120
atgagctagc ccttaagtaa cgccattttg caaggcatgg aaaaatacat aactgagaat 180
agaaaagttc agatcgaggt caggaacaga tggnacaggg tcgaccgggc gaccggtcga 240
ccctagagaa ctttntatg tttccagggt gcccgaagga cctgaaatga ccctgtgcct 300
tatttgaact aaccaatcnn ttcgcttctc gcttctgttc ncgcgcttct gctccccgag 360
ctcaataaaa gagcccacaa cccctcactc ggggcgccag tcctccgatt gactgagtcg 420
cccgggtacc cgtgtatcca ataaaccctc ttgcagttgc atccgacttg tgggtctcgt 480
gttccttggg agggctctct ctgagtgatt gactaccga gtggggaacg ggggcagggc 540
gggtgggagg agggcgcagg aggctgagac agcccagggt agagagggcc aagcttgaaa 600
ggttttccca ggcttgggga gagggccctg tcaggatgtg tatgggtaag ggggtgagaga 660
cagaggtncn tggggcangc ccggacctgt ttttttngnc cagtntcagt tctgnttcnc 720
ttgnccctga gacccacgt tcanagaggg ttggnnccgt tnggggnga cnnttanccc 780
catctgatcc catggtggnn ntganganan gggctaannc nnanccntn cagtccttn 840

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ttgccncac ccgggccccn atcnngnga agaggagnc cgctcgnccc nccccagga 900
 agggnnncngg nanaccggnn gnccccgnng caaccngnaa ccaacnnan 949

<210> 217
 <211> 999
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(999)
 <223> n is a, g, c or t

<400> 217
 ttttccccgng gannnnnntg nnnnttnnnn nttnccccc cccatnnnnc attggggggg 60
 aaatncccc catntaggcc tttngcnaa agaccagtn ntctgccctt gggtnccnc 120
 agganctctg caatggggaa gtgagccctc ctgaggcctg gctggcagga ggctcttcaa 180
 ggtcatgtgg acttccccca acacctcgag tttctgcaca gcagccacgg agacgggcct 240
 gggggctggc gggaaatttt tnnnaaggca atgtttncct gagtgggctg aaacctgaga 300
 tgaggaaatg agaagacgtc aggtgggctg aggacacggg ctttaggaca gccagcacc 360
 agccctgtag ctgaggcctc cggagggagc cagagggaaa gggagtcccc tccccgccc 420
 ctgagtctct gccagtgcc agcactccca aaggatccac cccaacctga gagaccctaa 480
 agacattgga gcagccccag acacctcctc ccaggggccac aaaggcccct gacatgccc 540
 tggcagtcca aggcctncaa ttggagccat cttttggtaa atctggggcc catcagcccc 600
 cactgcnctt tcttggtacc ctgagcatgc tggcaagggg actggaaact gcatcccatc 660
 ttgtctcana taccacagn acctgatgtg ggacatgact caccctgggg tctgtgagt 720
 caataagggt gtttgantaa ngggcagaac nnttnaactt antnccanaa acccatgagc 780
 tcattaannc aaanttacc tgcctanaat nggggccant nactaccnac tggaagggtg 840
 tggcttcang natggntnag ggaagnccnc nggctttccc aannnnncct tnccttnag 900
 gnggaccac cagcctccan cnccccnaa actgggaacc nngngnggca anaagggcng 960
 aaanggtttt gantaaccna tttntanncc cnnngnaaa 999

<210> 218
 <211> 962
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(962)

<223> n is a, g, c or t

<400> 218
nnnnccccggn actttcnntt anngnanncc cccccctnat ttgggggggna annacannn 60
ttannnathtt nnnnnngaca aagctttttt ccagggnntg aacngcngga tatttcctnn 120
ancaccatag ccgncatagg gcttccaaat atccctttgc catttcaca agaactgcct 180
tatcgaaagg cttcttgaag ggaaagatgt aactctgnga gatgaatnct ccagaggaat 240
cctggatnnt nnccataggn angnctnaac ctgttcaactc cngancttng ggaggggtgca 300
cctggaagca agctctgggg tccctggggag agaaagcaca gccctgccc tggagacact 360
caaagcctgg aagggaaggg cagngggctg gacagagacc acaggtgtga cggtcctagg 420
tgggaggtgg gagctcagag ggggcaccta acccatttg gcagagtgtc canggaaggg 480
tttgagtagc gccncagagg atgcngnaga ananccccag gaggagagcg acngnatgna 540
gaggggaanag catttaccgn ngcctggggag tngagagagg ctggcngggag aaaaaagagc 600
tccangaagc caaaaancct cannagnngc gtccacagcn cgatnctna ncaccnacia 660
cananccccg ccncatanaa agngcnccaa nccatcnntc acngaangaa nnaacaaaat 720
gaaanaaggg agatcaccna agggaganac gcngacaccc ccccncccn accnganaac 780
cacnncanaa cntnnacccc gcanaccnaa ganccatgaa ganttnagca cggnangggc 840
cannnaaaag ncataaanan aacngnagga aaagggaccg gacaccnna tnactacccc 900
cacnntacc caaaaccaca ncnncngccn gggcgnaacn cccnacnacc aaccancccc 960

<210> 219
<211> 891
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(891)
<223> n is a, g, c or t

<400> 219
tttttngggg ntntnnnggg gnnngnnnt cccgcctnnc cttngggggg annctnnnc 60
agttgggaat tnatttaaag aagggactta agggagatta ttaaagagcc agnaacgcaa 120
aggagagctg cggcaatcga caactaccga agacgcgaag cacattcacg aagcgttccc 180
ttcaatccgc aactacact cccacgaccc gcccttccg cccacagagc ccgccacttc 240
cgcctcanan ntnacggcg ctctgtgtc ctaagggcct tcccgcggt gatcagagcg 300
cccgccctt agccgcaaca gaagccgtaa agctttctcc cgtcgcatg cagcgctcaa 360

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ggcgccctgcg cagaccctga aaagcggcca ggggtggcccc gagcttccct tttccggttg 420
cagcgcccgcg cggttaggtt ctctcgttct cgctcgacgc catgccgtcc aagggcccg 480
tgcagtcggt gcaggtcttc ggacgcaagg tgagctagac gccagatggg aaggggaggg 540
gaaggagaag gtcaggggtct gggagaggac ggtgggcagg aatacagggg gcaacatggg 600
agctggatcc cgagctcacg gggccacact ctcttgatc ccacagaaga cagccacagc 660
tgtggcgcac tgcaaacgcg gcaatgggtct catcaagggtg aacgggcggc ccctggagat 720
gattgagccn cgcacgctnc aatacaagggt gnttggcatt gggncattcg ncgttgantt 780
ggattggagg acctntngga nataatagta gctnnttgaa agcttgaggg ggcnggntnt 840
cancanccgg gnttttnana anttngnttn gtntnnnnaa aaggggggttt t 891

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<210> 220
<211> 902
<212> DNA
<213> Cercopithecus aethiops

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<220>
<221> misc_feature
<222> (1)..(902)
<223> n is a, g, c or t

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<400> 220
tttttnnngg nntataattt ganntatnta tccncccat aaaccttggg ggggaanaca 60
aggncnaag ttttttagga ttgtgctact gtactccagg gtgagtgaca gcaagtatac 120
tgctcttaaa aaaagaacct tatatatata aaaaaaattt ttttttaact gacctgcaa 180
tgcacatatg cttcctttta aaagtagtaa acttcagaag gggcagaaat cagactctgg 240
tttctttcca ttttnagcca aagaaactga nagtnccaaa cagggaacag aagaaccct 300
ttcacaagca agcatttaaa cagacccaaa ttcggccgcg cggctcacca ggctggtcag 360
gagttctaga ccagcctggc cgacatggtg aaaccacgtc tctcctgaaa atacaaacat 420
tagccggccg tgggtggtgtg cgcctatagt cccagccacc cgggaggctg aggcaagaga 480
attgcttgaa cccggagggg ggaggttgca gcgatccgag atcgtgccac tgcactctcc 540
agcctgggcg acagagcgag actccctctc aaacaaataa atngaaaaaa aaataaacag 600
acccaaattc aagctatttc aatacttact gagcacttac aatgtctaaa acgctgcttt 660
tagacgcctt ggggttttnt taaggatnaa aacacttgnt ncttngtgaa aatnaaanct 720
atgaaaactg ggtgttcctt caancctttn gggntcccc cggnttccc cnnttnaat 780
gaaccttnt aaacattncc aattttnaaa agncancccc ntaattntt taanaccccc 840
ccaatttnaa nnttttaaan ttttttnnaa acnntaaanc cccgggtttt ttttnnnaa 900

```

aa

902

<210> 221
<211> 907
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(907)
<223> n is a, g, c or t

<400> 221
ccncannnggt agntccgctc gccttccgcc ttgtaagcng gaaaggtgct tcgcgaggtc 60
tcgccttcggt ggtccgacat ggtgaccgga tttagagacg ctaaagcaga gacaatcgaa 120
gaaaagctgg agaacctcta tctgggtctg gtttgtggaa gctccgtctc ttagcaaccg 180
cgagacgann ttttcagcga tttccgggtc cgtccctgtc tggcaagggc ccggattctg 240
ggtgcaacct gccggcgctg gcgtgcgcca gttctntnnn gcaccggggc ggagagtgat 300
gagtgcgtgg ctggcggtg agctccttag tgtttctgtg tgcacgctcc ttcggttctc 360
tctggagtta ctgctgaaa aggtgcctt gtaagacagc caagaaaaca ggaagagggg 420
tggaggcaaa gttccnaata gggattgaaa gacccacact gtnggttttg gcaagctagc 480
tgaggatcgt tcgcatgatt gaacaagatg gattgcacgc tggtttcttc ggccgcttgg 540
gtggagaggc tatttcggct atgactgggc acacagacat tcggctnctt ttantgccnc 600
cngngtncng gctgtnagcg naggggacgn cccgggttct ttnttgnaaa gaccnaccg 660
ttccggtgcc cttaatnaan ctgnanggac gagnnnanc cngntttatt ttgntgggcn 720
ncaacggncn ttccttnnac anctngntcn ncancnttgt nanttaaccn gnaanggnnc 780
tngntngttt tggncnaaat annccgggca aggaactccn nnnnannccc ccgtgtnnnt 840
nccccaaan tatcnattng ggtancnaan cngggnnnnn tnaccnnnac ccgnnnnccg 900
ccnanct 907

<210> 222
<211> 955
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(955)
<223> n is a, g, c or t

<400> 222
tttttccggg ggaannnnnn nnggnnnnaa nnnntcccc nccccatnnn ccttnggggg 60

```

gnaanacccc nnncaattcc ctatttggn aactttgcctc caaccctctt cctgttttct 120
tggtgtgtctt acaaggcagc cttttcacgc agtaactcca gagagaaccg aaggagcgtg 180
caacagcaaaa cactaaggag ctcagccgcc agccacgcac tcatcactct cgggcccggt 240
gcgcggcaga actggcgcac nnttnnnccg gcaggttgca cccagaatcc gggcccttgc 300
cagacagggga cggaaccgga aatcgctgta cgtctcgtct cacggttgct aagagacgga 360
gcttccacaa accagaacca gatagagggt ctcagctttt tcttcgattg tctctgcttt 420
agcgtctctta aatccgggtca ccatgtcgga ccccgaggc gagacctcgc gaagcacctt 480
tccctcttac atggcggaag gcgagcggct ctacctgtgc ggagaattct gtgtgaaatt 540
gttatccgct cacaattccc acacaacatg agcgtcagac cccgaagaaa agatcaaagg 600
atcttctttg agatcccttt ttttctgcgc gtaatctgct gcttgcaaac aaaaaaacca 660
ccgntaccag cggnggtttt gnttngccgg atcaagagnt accaaantnt tttttcnnaa 720
gnaacttggc ttnagcanaa ccnaaanacc aaatactgnc ntttngngta cccgtantta 780
ggccccccct taaaaanttn nnanccncta atanccngtt ttntaatttn ttacaanggg 840
tnttgcnaag gnaaaaattn gttttaccgg ttgnctnaaa aaaattttcc gaaaggcccn 900
ngtnngntaa aggggntctg cccaacccat tgggnnannt cccccannt naatc 955

```

```

<210> 223
<211> 927
<212> DNA
<213> Cercopithecus aethiops

```

```

<220>
<221> misc_feature
<222> (1)..(927)
<223> n is a, g, c or t

```

```

<400> 223
nnnnntttta aanacnnanc cccccanta ntttgggggg gaaaaccccc agcatgcca 60
cntatcatnn cccatcactg ggtaatatc acagnatcaa attatcctcc ctaaccaggt 120
cctgtgaata ttctcattga tcctcaaact cactttggcc tcagtgatcc ccaacagcct 180
cctttacaac ettacaacat ccaagttcct gttctgtgag agtttctctt cgaaacacaa 240
cattccgtac aattcagtct ctactccgt caatcctcta cattggcagt gagaccttat 300
tttgtgacct tttactttac agcagccatt tcaaagagac attctctagc ctgaaagggc 360
tccagattct ttcaactttc tattatgtat gcattgcaa tattgaattt gcactatctt 420
atcaactatt ctaaaactac tgacatttgc agaaactggg catttggtct tagggaaaat 480
gtctgtgtta tccaaaaatg gagattaaat acttgacac attoctactt gatttccaca 540

```



```

gngacctgat ctatgggtatc tagentcctt cccctctgcc ccaagttcac atttccatca      600
gctcatatat actcttcctt ttctactcct gctgacaggg tccaaggata ctgcctcaaa      660
aactctataa aaganaataa aaactnatta actggctttn ctatcnaaaa nctttcnact      720
agnaatatta anaaangntt ttcaaccggg nggatccgaa ancatccnaa gnagggntna      780
ngccnaaaaa aaaaataatn nntttccccc aaaaannaaa aaatagnntn tnangggggc      840
ccngnncntn gnaaaagaaa naannccggg cntnnaaana nnannaaaaa nntccncngg      900
nttnannnnn aaaaancatn aancnnn                                           927

```

```

<210> 224
<211> 936
<212> DNA
<213> Cercopithecus aethiops

```

```

<220>
<221> misc_feature
<222> (1)..(936)
<223> n is a, g, c or t

```

```

<400> 224
tttttccgng gnanntannn ntttanactt ncccccccc atttcttggg gggggaanac      60
ccccccacag nncacttcg cggtgccag gcagtcaggc aaagnaggcc gaagcaaagc      120
cctagaagca aagccacagg aataagtcag ctttcccaga ggtcaaagaa ggctgtaggg      180
ccacctgcca cgctcccga ccccggccgc gcggcctggg cccgctcccc aaccaaagag      240
gccgaattc agagannttt tagcagtttc acagaaagct tctttccagt tttgaacgga      300
agatatttcc tttttaccg taggcctcta tgggcttcca aatatccctt tgccaattcc      360
acaagaacag ccttagcgaa aggcttcttg aagggaaaga tgtaactctg tgaaatgaat      420
tctgcttata ggtcttgaga taaagtcacc gatctcatat catggattat aaggttttcc      480
ttctattttc tggcattttg gatatgtaat gatgagcatc agaaagttaa atcatattta      540
attttttagaa ttattaaata ctctgaggt cattttgggt gattttgngt ggctttcaac      600
cataaagaga tcaatgcctt gcagatataa agctttcctt ttccttcttt aataattnta      660
aactctgaat tnatgnctac agatatntaa tngatcataa atganaaatg ngatactatt      720
cnctacctcc ttatctgttc tcggaanaga ctatacancc ctgcaannat ngaagttnan      780
gattgcttnt acgaaannna aaaaaaatn actntttttt nggcaanana aaatgcttcc      840
tccgttgnaa actcccctca ngngntntta gggggnannc taccttnaan ttcctngnc      900
ctggnnncng tnnnaggnan tgcaaanngn tttctt                                           936

```

<210> 225
 <211> 605
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(605)
 <223> n is a, g, c or t

<400> 225
 ttttnccnng nnntacnnct tnnnnanttn annccccccc attattttng gggggaaacc 60
 tagnaaaaat aatantgtac aagattttat ttttgtcttt aaccagaatg atgtatttgg 120
 ttaagaagat agtccaagtt aaaggcatac attcaagcta gtggcacatt cggaagagca 180
 gacaaagata gttggttgca aatgggaaat ttaagccatg atcttaaaag gacagaatgg 240
 atatttgta cttttnctat gggaataatt gatttttttc accttccctt tcttggattt 300
 tttttttttt ttaaattagt ttggttactt taaccttact gtcggttata ttggttctct 360
 ttttatgtct gagttttttt ttttttttga gacggagtct tgctctgtcg cccaggctgg 420
 agtgcagtgg ccggatctca gctcactgca agctctgcct cccgggttta caccattctc 480
 ctgcctcagc ctntctagta gctaggacta caggcgcccg ccacctngcc cggctagttt 540
 tttgtatttt ttagtagaga cgggttttna cccnnntnnn ncanatgggt tnnntctnct 600
 ntctt 605

<210> 226
 <211> 654
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(654)
 <223> n is a, g, c or t

<400> 226
 tttntngggg nnnnnnnngn attgnnntc cccccgtnn nttggggggn aannccnncc 60
 antactgttt gaggaaagac tgaggntcag atggcagagg ctccntagag gaaggaggct 120
 acagccttga gggcatcagc ttcccacact cccaacctgc tgctctctctc tgctggaatg 180
 aggagggggc tcttggtgg ggggtctccag ggtggaggga ggagctcaca ttcttagcat 240
 tcctnttncc ctgagttgca aggaagacct ggtgagcatg ctgacccagc aggagtgact 300
 caggcccatg gctcgagtgc ctgaggagg accagggtcg gggatggggc atgagtcagc 360
 ctggcaggtc ccataagaag ggaagggaag ggagagaaat gggggctgca caggtgtgag 420

ggctctgtgca	tgtctgtgtg	gtgtggtggg	gtgtctggat	atccgngtgt	tctggatctg	480
agtgttagtg	tatccgncag	cacaacctct	gtgtgagggg	gtgtctnggc	gaggggtgggc	540
ttctgtggat	gtcccntgtg	tggnatgtgt	gngtgtgtgt	gtgnngnact	aanntatnnc	600
cttcaacnng	ggntctnncc	caangngnnt	ntggatctnc	atannatgtc	tctc	654

```
<210> 227
<211> 2635
<212> DNA
<213> homo sapiens
```

```
<220>
<221> CDS
<222> (285) .. (1679)
```

[illegible]

Val	Leu	Lys	Ala	Leu	Ser	Glu	Glu	Lys	Asp	Val	Leu	Lys	Gln	Gln	Leu	
			120					125					130			
tct	gct	gca	acc	tca	cga	att	gct	gaa	ctt	gaa	agc	aaa	acc	aat	aca	728
Ser	Ala	Ala	Thr	Ser	Arg	Ile	Ala	Glu	Leu	Glu	Ser	Lys	Thr	Asn	Thr	
		135					140					145				
ctc	cgt	tta	tca	cag	act	gtg	gct	cca	aac	tgc	ttc	aac	tca	tca	ata	776
Leu	Arg	Leu	Ser	Gln	Thr	Val	Ala	Pro	Asn	Cys	Phe	Asn	Ser	Ser	Ile	
	150					155					160					
aat	aat	att	cat	gaa	atg	gaa	ata	cag	ctg	aaa	gat	gct	ctg	gag	aaa	824
Asn	Asn	Ile	His	Glu	Met	Glu	Ile	Gln	Leu	Lys	Asp	Ala	Leu	Glu	Lys	
165					170					175					180	
aat	cag	cag	tgg	ctc	gtg	tat	gat	cag	cag	cgg	gaa	gtc	tat	gta	aaa	872
Asn	Gln	Gln	Trp	Leu	Val	Tyr	Asp	Gln	Gln	Arg	Glu	Val	Tyr	Val	Lys	
			185							190				195		
gga	ctt	tta	gca	aag	atc	ttt	gag	ttg	gaa	aag	aaa	acg	gaa	aca	gct	920
Gly	Leu	Leu	Ala	Lys	Ile	Phe	Glu	Leu	Glu	Lys	Lys	Thr	Glu	Thr	Ala	
			200					205					210			
gct	cat	tca	ctc	cca	cag	cag	aca	aaa	aag	cct	gaa	tca	gaa	ggg	tat	968
Ala	His	Ser	Leu	Pro	Gln	Gln	Thr	Lys	Lys	Pro	Glu	Ser	Glu	Gly	Tyr	
		215					220					225				
ctt	caa	gaa	gag	aag	cag	aaa	tgt	tac	aac	gat	ctc	ttg	gca	agt	gca	1016
Leu	Gln	Glu	Glu	Lys	Gln	Lys	Cys	Tyr	Asn	Asp	Leu	Leu	Ala	Ser	Ala	
	230					235					240					
aaa	aaa	gat	ctt	gag	ggt	gaa	cga	caa	acc	ata	act	cag	ctg	agt	ttt	1064
Lys	Lys	Asp	Leu	Glu	Val	Glu	Arg	Gln	Thr	Ile	Thr	Gln	Leu	Ser	Phe	
245					250					255					260	
gaa	ctg	agt	gaa	ttt	cga	aga	aaa	tat	gaa	gaa	acc	caa	aaa	gaa	ggt	1112
Glu	Leu	Ser	Glu	Phe	Arg	Arg	Lys	Tyr	Glu	Glu	Thr	Gln	Lys	Glu	Val	
			265						270					275		
cac	aat	tta	aat	cag	ctg	ttg	tat	tca	caa	aga	agg	gca	gat	gtg	caa	1160
His	Asn	Leu	Asn	Gln	Leu	Leu	Tyr	Ser	Gln	Arg	Arg	Ala	Asp	Val	Gln	
			280					285					290			
cat	ctg	gaa	gat	gat	agg	cat	aaa	aca	gag	aag	ata	caa	aaa	ctc	agg	1208
His	Leu	Glu	Asp	Asp	Arg	His	Lys	Thr	Glu	Lys	Ile	Gln	Lys	Leu	Arg	
		295					300					305				
gaa	gag	aat	gat	att	gct	agg	gga	aaa	ctt	gaa	gaa	gag	aag	aag	aga	1256
Glu	Glu	Asn	Asp	Ile	Ala	Arg	Gly	Lys	Leu	Glu	Glu	Glu	Lys	Lys	Arg	
	310					315					320					
tcc	gaa	gag	ctc	tta	tct	cag	gtc	cag	ttt	ctt	tac	aca	tct	ctg	cta	1304
Ser	Glu	Glu	Leu	Leu	Ser	Gln	Val	Gln	Phe	Leu	Tyr	Thr	Ser	Leu	Leu	
325					330					335					340	
aag	cag	caa	gaa	gaa	caa	aca	agg	gta	gct	ctg	ttg	gaa	caa	cag	atg	1352
Lys	Gln	Gln	Glu	Glu	Gln	Thr	Arg	Val	Ala	Leu	Leu	Glu	Gln	Gln	Met	
			345					350						355		
cag	gca	tgt	act	tta	gac	ttt	gaa	aat	gaa	aaa	ctc	gac	cgt	caa	cat	1400
Gln	Ala	Cys	Thr	Leu	Asp	Phe	Glu	Asn	Glu	Lys	Leu	Asp	Arg	Gln	His	

360	365	370	
gtg cag cat caa ttg ctt gta att ctt aag gag ctc cga aaa gca aga			1448
Val Gln His Gln Leu Leu Val Ile Leu Lys Glu Leu Arg Lys Ala Arg			
375	380	385	
aat caa ata aca cag ttg gaa tcc ttg aaa cag ctt cat gag ttt gcc			1496
Asn Gln Ile Thr Gln Leu Glu Ser Leu Lys Gln Leu His Glu Phe Ala			
390	395	400	
atc aca gag cca tta gtc act ttc caa gga gag act gaa aac aga gaa			1544
Ile Thr Glu Pro Leu Val Thr Phe Gln Gly Glu Thr Glu Asn Arg Glu			
405	410	415	420
aaa gtt gcc gcc tca cca aaa agt ccc act gct gca ctc aat gaa agc			1592
Lys Val Ala Ala Ser Pro Lys Ser Pro Thr Ala Ala Leu Asn Glu Ser			
425	430	435	
ctg gtg gaa tgt ccc aag tgc aat ata cag tat cca gcc act gag cat			1640
Leu Val Glu Cys Pro Lys Cys Asn Ile Gln Tyr Pro Ala Thr Glu His			
440	445	450	
cgc gat ctg ctt gtc cat gtg gaa tac tgt tca aag tag caaaataagt			1689
Arg Asp Leu Leu Val His Val Glu Tyr Cys Ser Lys			
455	460		
atttgttttg atattaaaag attcaatact gtatttttctg ttagcttgtg ggcattttga			1749
attatatatt tcacattttg cataaaaactg cctatctacc ttgacactc cagcatgcta			1809
gtgaatcatg tatcttttag gctgctgtgc atttctcttg gcagtgatac ctccctgaca			1869
tggttcatca tcaggctgca atgacagaat gtggtgagca gcgtctactg agactactaa			1929
cattttgcac tgtcaaaaata cttggtgagg aaaagatagc tcaggttatt gctaattgggt			1989
taatgcacca gcaagcaaaa tatttttatgt tttgggggtt tgaaaaatca aagataatta			2049
accaaggatc ttaactgtgt tcgcattttt tatccaagca cttagaaaaac ctacaatcct			2109
aattttgatg tccattgtta agaggtggtg atagatacta tttttttttt catattgtat			2169
agcggttatt agaaaagttg gggattttct tgatctttat tgctgcttac cattgaaact			2229
taaccagct gtgttcccca actctgttct gcgcacgaaa cagtatctgt ttgaggcata			2289
atcttaagtg gccacacaca atgttttctc ttatgttatc tggcagtaac tgtaacttga			2349
attacattag cacattctgc ttagctaaaa ttgttaaaat aaactttaat aaacccatgt			2409
agccctctca ttgattgac agtatttttag ttatttttgg cattcttaaa gctgggcaat			2469
gtaatgatca gatctttgtt tgtctgaaca ggtattttta tacatgcttt ttgtaaacca			2529
aaaactttta aatttcttca ggttttctaa catgcttacc actgggctac tgtaaatgag			2589
aaaagaataa aattatttaa tgttttaaaa aaaaaaaaaa aaaaaa			2635

<210> 228
<211> 464

<212> PRT

<213> homo sapiens

<400> 228

Met Ser Ser Arg Ser Thr Lys Asp Leu Ile Lys Ser Lys Trp Gly Ser
 1 5 10 15

Lys Pro Ser Asn Ser Lys Ser Glu Thr Thr Leu Glu Lys Leu Lys Gly
 20 25 30

Glu Ile Ala His Leu Lys Thr Ser Val Asp Glu Ile Thr Ser Gly Lys
 35 40 45

Gly Lys Leu Thr Asp Lys Glu Arg His Arg Leu Leu Glu Lys Ile Arg
 50 55 60

Val Leu Glu Ala Glu Lys Glu Lys Asn Ala Tyr Gln Leu Thr Glu Lys
 65 70 75 80

Asp Lys Glu Ile Gln Arg Leu Arg Asp Gln Leu Lys Ala Arg Tyr Ser
 85 90 95

Thr Thr Ala Leu Leu Glu Gln Leu Glu Glu Thr Thr Arg Glu Gly Glu
 100 105 110

Arg Arg Glu Gln Val Leu Lys Ala Leu Ser Glu Glu Lys Asp Val Leu
 115 120 125

Lys Gln Gln Leu Ser Ala Ala Thr Ser Arg Ile Ala Glu Leu Glu Ser
 130 135 140

Lys Thr Asn Thr Leu Arg Leu Ser Gln Thr Val Ala Pro Asn Cys Phe
 145 150 155 160

Asn Ser Ser Ile Asn Asn Ile His Glu Met Glu Ile Gln Leu Lys Asp
 165 170 175

Ala Leu Glu Lys Asn Gln Gln Trp Leu Val Tyr Asp Gln Gln Arg Glu
 180 185 190

Val Tyr Val Lys Gly Leu Leu Ala Lys Ile Phe Glu Leu Glu Lys Lys
 195 200 205

Thr Glu Thr Ala Ala His Ser Leu Pro Gln Gln Thr Lys Lys Pro Glu
 210 215 220

Ser Glu Gly Tyr Leu Gln Glu Glu Lys Gln Lys Cys Tyr Asn Asp Leu
 225 230 235 240

Leu Ala Ser Ala Lys Lys Asp Leu Glu Val Glu Arg Gln Thr Ile Thr
 245 250 255

Gln Leu Ser Phe Glu Leu Ser Glu Phe Arg Arg Lys Tyr Glu Glu Thr
 260 265 270

Gln Lys Glu Val His Asn Leu Asn Gln Leu Leu Tyr Ser Gln Arg Arg
 275 280 285

Ala Asp Val Gln His Leu Glu Asp Asp Arg His Lys Thr Glu Lys Ile
 290 295 300

Gln Lys Leu Arg Glu Glu Asn Asp Ile Ala Arg Gly Lys Leu Glu Glu
 305 310 315 320

Glu Lys Lys Arg Ser Glu Glu Leu Leu Ser Gln Val Gln Phe Leu Tyr
 325 330 335

Thr Ser Leu Leu Lys Gln Gln Glu Glu Gln Thr Arg Val Ala Leu Leu
 340 345 350

Glu Gln Gln Met Gln Ala Cys Thr Leu Asp Phe Glu Asn Glu Lys Leu
 355 360 365

Asp Arg Gln His Val Gln His Gln Leu Leu Val Ile Leu Lys Glu Leu
 370 375 380

Arg Lys Ala Arg Asn Gln Ile Thr Gln Leu Glu Ser Leu Lys Gln Leu
 385 390 395 400

His Glu Phe Ala Ile Thr Glu Pro Leu Val Thr Phe Gln Gly Glu Thr
 405 410 415

Glu Asn Arg Glu Lys Val Ala Ala Ser Pro Lys Ser Pro Thr Ala Ala
 420 425 430

Leu Asn Glu Ser Leu Val Glu Cys Pro Lys Cys Asn Ile Gln Tyr Pro
 435 440 445

Ala Thr Glu His Arg Asp Leu Leu Val His Val Glu Tyr Cys Ser Lys
 450 455 460

<210> 229

<211> 2635

<212> DNA
 <213> homo sapiens

<220>
 <221> CDS
 <222> (285)..(1679)

<400> 229
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 gaggggtggcg aggggcgccc aggacccgca gccccggggc cgggccggtc cggaccgcca 120
 gggaggggcag gtcagtgggc agatcgctc cgcgggattc aatctctgcc cgctctgata 180
 acagtccttt tccctggcgc tcacttcgtg cctggcaccg ggctgggcgc ctcaagaccg 240
 ttgtctcttc gatcgcttct ttggacttgg cgaccatttc agag atg tct tcc aga 296
 Met Ser Ser Arg
 1
 agt acc aaa gat tta att aaa agt aag tgg gga tcg aag cct agt aac 344
 Ser Thr Lys Asp Leu Ile Lys Ser Lys Trp Gly Ser Lys Pro Ser Asn
 5 10 15 20
 tcc aaa tcc gaa act aca tta gaa aaa tta aag gga gaa att gca cac 392
 Ser Lys Ser Glu Thr Thr Leu Glu Lys Leu Lys Gly Glu Ile Ala His
 25 30 35
 tta aag aca tca gtg gat gaa atc aca agt ggg aaa gga aag ctg act 440
 Leu Lys Thr Ser Val Asp Glu Ile Thr Ser Gly Lys Gly Lys Leu Thr
 40 45 50
 gat aaa gag aga cac aga ctt ttg gag aaa att cga gtc ctt gag gct 488
 Asp Lys Glu Arg His Arg Leu Leu Glu Lys Ile Arg Val Leu Glu Ala
 55 60 65
 gag aag gag aag aat gct tat caa ctc aca gag aag gac aaa gaa ata 536
 Glu Lys Glu Lys Asn Ala Tyr Gln Leu Thr Glu Lys Asp Lys Glu Ile
 70 75 80
 cag cga ctg aga gac caa ctg aag gcc aga tat agt act acc gca ttg 584
 Gln Arg Leu Arg Asp Gln Leu Lys Ala Arg Tyr Ser Thr Thr Ala Leu
 85 90 95 100
 ctt gaa cag ctg gaa gag aca acg aga gaa gga gaa agg agg gag cag 632
 Leu Glu Gln Leu Glu Glu Thr Thr Arg Glu Gly Glu Arg Arg Glu Gln
 105 110 115
 gtg ttg aaa gcc tta tct gaa gag aaa gac gta ttg aaa caa cag ttg 680
 Val Leu Lys Ala Leu Ser Glu Glu Lys Asp Val Leu Lys Gln Gln Leu
 120 125 130
 tct gct gca acc tca cga att gct gaa ctt gaa agc aaa acc aat aca 728
 Ser Ala Ala Thr Ser Arg Ile Ala Glu Leu Glu Ser Lys Thr Asn Thr
 135 140 145
 ctc cgt tta tca cag act gtg gct cca aac tgc ttc aac tca tca ata 776
 Leu Arg Leu Ser Gln Thr Val Ala Pro Asn Cys Phe Asn Ser Ser Ile
 150 155 160

aat aat att cat gaa atg gaa ata cag ctg aaa gat gct ctg gag aaa	824
Asn Asn Ile His Glu Met Glu Ile Gln Leu Lys Asp Ala Leu Glu Lys	
165 170 175 180	
aat cag cag tgg ctc gtg tat gat cag cag cgg gaa gtc tat gta aaa	872
Asn Gln Gln Trp Leu Val Tyr Asp Gln Gln Arg Glu Val Tyr Val Lys	
185 190 195	
gga ctt tta gca aag atc ttt gag ttg gaa aag aaa acg gaa aca gct	920
Gly Leu Leu Ala Lys Ile Phe Glu Leu Glu Lys Lys Thr Glu Thr Ala	
200 205 210	
gct cat tca ctc cca cag cag aca aaa aag cct gaa tca gaa ggt tat	968
Ala His Ser Leu Pro Gln Gln Thr Lys Lys Pro Glu Ser Glu Gly Tyr	
215 220 225	
ctt caa gaa gag aag cag aaa tgt tac aac gat ctc ttg gca agt gca	1016
Leu Gln Glu Glu Lys Gln Lys Cys Tyr Asn Asp Leu Leu Ala Ser Ala	
230 235 240	
aaa aaa gat ctt gag gtt gaa cga caa acc ata act cag ctg agt ttt	1064
Lys Lys Asp Leu Glu Val Glu Arg Gln Thr Ile Thr Gln Leu Ser Phe	
245 250 255 260	
gaa ctg agt gaa ttt cga aga aaa tat gaa gaa acc caa aaa gaa gtt	1112
Glu Leu Ser Glu Phe Arg Arg Lys Tyr Glu Glu Thr Gln Lys Glu Val	
265 270 275	
cac aat tta aat cag ctg ttg tat tca caa aga agg gca gat gtg caa	1160
His Asn Leu Asn Gln Leu Leu Tyr Ser Gln Arg Arg Ala Asp Val Gln	
280 285 290	
cat ctg gaa gat gat agg cat aaa aca gag aag ata caa aaa ctc agg	1208
His Leu Glu Asp Asp Arg His Lys Thr Glu Lys Ile Gln Lys Leu Arg	
295 300 305	
gaa gag aat gat att gct agg gga aaa ctt gaa gaa gag aag aag aga	1256
Glu Glu Asn Asp Ile Ala Arg Gly Lys Leu Glu Glu Glu Lys Lys Arg	
310 315 320	
tcc gaa gag ctc tta tct cag gtc cag ttt ctt tac aca tct ctg cta	1304
Ser Glu Glu Leu Leu Ser Gln Val Gln Phe Leu Tyr Thr Ser Leu Leu	
325 330 335 340	
aag cag caa gaa gaa caa aca agg gta gct ctg ttg gaa caa cag atg	1352
Lys Gln Gln Glu Glu Gln Thr Arg Val Ala Leu Leu Glu Gln Gln Met	
345 350 355	
cag gca tgt act tta gac ttt gaa aat gaa aaa ctc gac cgt caa cat	1400
Gln Ala Cys Thr Leu Asp Phe Glu Asn Glu Lys Leu Asp Arg Gln His	
360 365 370	
gtg cag cat caa ttg ctt gta att ctt aag gag ctc cga aaa gca aga	1448
Val Gln His Gln Leu Leu Val Ile Leu Lys Glu Leu Arg Lys Ala Arg	
375 380 385	
aat caa ata aca cag ttg gaa tcc ttg aaa cag ctt cat gag ttt gcc	1496
Asn Gln Ile Thr Gln Leu Glu Ser Leu Lys Gln Leu His Glu Phe Ala	
390 395 400	
atc aca gag cca tta gtc act ttc caa gga gag act gaa aac aga gaa	1544

Ile Thr Glu Pro Leu Val Thr Phe Gln Gly Glu Thr Glu Asn Arg Glu
 405 410 415 420

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Val Tyr Val Lys Gly Leu Leu Ala Lys Ile Phe Glu Leu Glu Lys Lys
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Ile Pro Leu Asp Phe Ser Ser Ser Leu Gly Ile Ile Val Lys Asp Phe	
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Phe	Ser	Gln	Thr	Val	Lys	Glu	Ile	Phe	Gly	Gly	Asn	Ala	Asp	Lys	Lys		
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aaa cca tta ctg gct	tct aag ctg aca gaa	aag gag gaa gaa atc	4438
Lys Pro Leu Leu Ala	Ser Lys Leu Thr Glu	Lys Glu Glu Glu Ile	
1440	1445	1450	
gtg gac tgg tgg agt	aaa ttt tat gct tcc	tca ggg gaa cat gaa	4483
Val Asp Trp Trp Ser	Lys Phe Tyr Ala Ser	Ser Gly Glu His Glu	
1455	1460	1465	
aaa tgc gga cag tat	att cag aaa ggc tat	tcc aag ctc aag ata	4528
Lys Cys Gly Gln Tyr	Ile Gln Lys Gly Tyr	Ser Lys Leu Lys Ile	
1470	1475	1480	
tat aat tgt gaa cta	gaa aat gta gca gaa	ttt gag ggc ctg aca	4573
Tyr Asn Cys Glu Leu	Glu Asn Val Ala Glu	Phe Glu Gly Leu Thr	
1485	1490	1495	
gac ttc tca gat acg	ttc aag ttg tac cga	ggc aag tcg gat gaa	4618
Asp Phe Ser Asp Thr	Phe Lys Leu Tyr Arg	Gly Lys Ser Asp Glu	
1500	1505	1510	
aat gaa gat cct tct	gtg gtt gga gag ttt	aag ggc tcc ttt cgg	4663
Asn Glu Asp Pro Ser	Val Val Gly Glu Phe	Lys Gly Ser Phe Arg	
1515	1520	1525	
atc tac cct ctg ccg	gat gac ccc agc gtg	cca gcc cct ccc aga	4708
Ile Tyr Pro Leu Pro	Asp Asp Pro Ser Val	Pro Ala Pro Pro Arg	
1530	1535	1540	
cag ttt cgg gaa tta	cct gac agc gtc cca	cag gaa tgc acg gtt	4753
Gln Phe Arg Glu Leu	Pro Asp Ser Val Pro	Gln Glu Cys Thr Val	
1545	1550	1555	
agg att tac att gtt	cga ggc tta gag ctc	cag ccc cag gac aac	4798
Arg Ile Tyr Ile Val	Arg Gly Leu Glu Leu	Gln Pro Gln Asp Asn	
1560	1565	1570	
aat ggc ctg tgt gac	cct tac ata aaa ata	aca ctg ggc aaa aaa	4843
Asn Gly Leu Cys Asp	Pro Tyr Ile Lys Ile	Thr Leu Gly Lys Lys	
1575	1580	1585	
gtc att gaa gac cga	gat cac tac att ccc	aac act ctc aac cca	4888
Val Ile Glu Asp Arg	Asp His Tyr Ile Pro	Asn Thr Leu Asn Pro	
1590	1595	1600	
gtc ttt ggc agg atg	tac gaa ctg agc tgc	tac tta cct caa gaa	4933
Val Phe Gly Arg Met	Tyr Glu Leu Ser Cys	Tyr Leu Pro Gln Glu	
1605	1610	1615	
aaa gac ctg aaa att	tct gtc tat gat tat	gac acc ttt acc cgg	4978
Lys Asp Leu Lys Ile	Ser Val Tyr Asp Tyr	Asp Thr Phe Thr Arg	
1620	1625	1630	
gat gaa aaa gta gga	gaa aca att att gat	ctg gaa aac cga ttc	5023
Asp Glu Lys Val Gly	Glu Thr Ile Ile Asp	Leu Glu Asn Arg Phe	
1635	1640	1645	
ctt tcc cgc ttt ggg	tcc cac tgc ggc ata	cca gag gag tac tgt	5068
Leu Ser Arg Phe Gly	Ser His Cys Gly Ile	Pro Glu Glu Tyr Cys	
1650	1655	1660	

gtt tct gga gtc aat acc tgg cga gat caa ctg aga cca aca cag	5113
Val Ser Gly Val Asn Thr Trp Arg Asp Gln Leu Arg Pro Thr Gln	
1665 1670 1675	
ctg ctt caa aat gtc gcc aga ttc aaa ggc ttc cca caa ccc atc	5158
Leu Leu Gln Asn Val Ala Arg Phe Lys Gly Phe Pro Gln Pro Ile	
1680 1685 1690	
ctt tcc gaa gat ggg agt aga atc aga tat gga gga cga gac tac	5203
Leu Ser Glu Asp Gly Ser Arg Ile Arg Tyr Gly Gly Arg Asp Tyr	
1695 1700 1705	
agc ttg gat gaa ttt gaa gcc aac aaa atc ctg cac cag cac ctc	5248
Ser Leu Asp Glu Phe Glu Ala Asn Lys Ile Leu His Gln His Leu	
1710 1715 1720	
ggg gcc cct gaa gag cgg ctt gct ctt cac atc ctc agg act cag	5293
Gly Ala Pro Glu Glu Arg Leu Ala Leu His Ile Leu Arg Thr Gln	
1725 1730 1735	
ggg ctg gtc cct gag cac gtg gaa aca agg act ttg cac agc acc	5338
Gly Leu Val Pro Glu His Val Glu Thr Arg Thr Leu His Ser Thr	
1740 1745 1750	
ttc cag ccc aac att tcc cag gga aaa ctt cag atg tgg gtg gat	5383
Phe Gln Pro Asn Ile Ser Gln Gly Lys Leu Gln Met Trp Val Asp	
1755 1760 1765	
gtt ttc ccc aag agt ttg ggg cca cca ggc cct cct ttc aac atc	5428
Val Phe Pro Lys Ser Leu Gly Pro Pro Gly Pro Pro Phe Asn Ile	
1770 1775 1780	
aca ccc cgg aaa gcc aag aaa tac tac ctg cgt gtg atc atc tgg	5473
Thr Pro Arg Lys Ala Lys Lys Tyr Tyr Leu Arg Val Ile Ile Trp	
1785 1790 1795	
aac acc aag gac gtt atc ttg gac gag aaa agc atc aca gga gag	5518
Asn Thr Lys Asp Val Ile Leu Asp Glu Lys Ser Ile Thr Gly Glu	
1800 1805 1810	
gaa atg agt gac atc tac gtc aaa ggc tgg att cct ggc aat gaa	5563
Glu Met Ser Asp Ile Tyr Val Lys Gly Trp Ile Pro Gly Asn Glu	
1815 1820 1825	
gaa aac aaa cag aaa aca gat gtc cat tac aga tct ttg gat ggt	5608
Glu Asn Lys Gln Lys Thr Asp Val His Tyr Arg Ser Leu Asp Gly	
1830 1835 1840	
gaa ggg aat ttt aac tgg cga ttt gtt ttc ccg ttt gac tac ctt	5653
Glu Gly Asn Phe Asn Trp Arg Phe Val Phe Pro Phe Asp Tyr Leu	
1845 1850 1855	
cca gcc gaa caa ctc tgt atc gtt gcg aaa aaa gag cat ttc tgg	5698
Pro Ala Glu Gln Leu Cys Ile Val Ala Lys Lys Glu His Phe Trp	
1860 1865 1870	
agt att gac caa acg gaa ttt cga atc cca ccc agg ctg atc att	5743
Ser Ile Asp Gln Thr Glu Phe Arg Ile Pro Pro Arg Leu Ile Ile	
1875 1880 1885	

cag ata tgg gac aat	gac aag ttt tct ctg	gat gac tac ttg ggt	5788
Gln Ile Trp Asp Asn	Asp Lys Phe Ser Leu	Asp Asp Tyr Leu Gly	
1890	1895	1900	
ttc cta gaa ctt gac	ttg cgt cac acg atc	att cct gca aaa tca	5833
Phe Leu Glu Leu Asp	Leu Arg His Thr Ile	Ile Pro Ala Lys Ser	
1905	1910	1915	
cca gag aaa tgc agg	ttg gac atg att ccg	gac ctc aaa gcc atg	5878
Pro Glu Lys Cys Arg	Leu Asp Met Ile Pro	Asp Leu Lys Ala Met	
1920	1925	1930	
aac ccc ctt aaa gcc	aag aca gcc tcc ctc	ttt gag cag aag tcc	5923
Asn Pro Leu Lys Ala	Lys Thr Ala Ser Leu	Phe Glu Gln Lys Ser	
1935	1940	1945	
atg aaa gga tgg tgg	cca tgc tac gca gag	aaa gat ggc gcc cgc	5968
Met Lys Gly Trp Trp	Pro Cys Tyr Ala Glu	Lys Asp Gly Ala Arg	
1950	1955	1960	
gta atg gct ggg aaa	gtg gag atg aca ttg	gaa atc ctc aac gag	6013
Val Met Ala Gly Lys	Val Glu Met Thr Leu	Glu Ile Leu Asn Glu	
1965	1970	1975	
aag gag gcc gac gag	agg cca gcc ggg aag	ggg cgg gac gaa ccc	6058
Lys Glu Ala Asp Glu	Arg Pro Ala Gly Lys	Gly Arg Asp Glu Pro	
1980	1985	1990	
aac atg aac ccc aag	ctg gac tta cca aat	cga cca gaa acc tcc	6103
Asn Met Asn Pro Lys	Leu Asp Leu Pro Asn	Arg Pro Glu Thr Ser	
1995	2000	2005	
ttc ctc tgg ttc acc	aac cca tgc aag acc	atg aag ttc atc gtg	6148
Phe Leu Trp Phe Thr	Asn Pro Cys Lys Thr	Met Lys Phe Ile Val	
2010	2015	2020	
tgg cgc cgc ttt aag	tgg gtc atc atc ggc	ttg ctg ttc ctg ctt	6193
Trp Arg Arg Phe Lys	Trp Val Ile Ile Gly	Leu Leu Phe Leu Leu	
2025	2030	2035	
atc ctg ctg ctc ttc	gtg gcc gtg ctc ctc	tac tct ttg ccg aac	6238
Ile Leu Leu Leu Phe	Val Ala Val Leu Leu	Tyr Ser Leu Pro Asn	
2040	2045	2050	
tat ttg tca atg aag	att gta aag cca aat	gtg taa caaaggcaaa	6284
Tyr Leu Ser Met Lys	Ile Val Lys Pro Asn	Val	
2055	2060		
ggcttcattt caagagtc	cat ccagcaatga gaga	atcctg cctctgtaga	6344
ccaacatcca			
gtgtgatttt gtgtctg	gaga ccacacccca	gtagcagggtt acg	6404
ccatgac accgagcccc			
attgattccc agagggt	cctt agtcctggaa	agtcaggcca aca	6464
agcaacg tttgcatcat			
gttatctctt aagtatta	aaa agttttattt	tctaaagttt aaat	6524
catgtt tttcaaaata			
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gtgtct tcggttctag			
acttcagctt ttggaa	attg ctaaatagaa	ttcaaaaatc tct	6644
gcaccc gaggtgat			
acttcatatt tgta	atcaac tgaaagag	ct gtgcattata	6704
aaatcagtta	gaatagttag		

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Phe Gly Lys Pro Asp Pro Ile Val Ser Val Ile Phe Lys Asp Glu Lys
 20 25 30

Lys Lys Thr Lys Lys Val Asp Asn Glu Leu Asn Pro Val Trp Asn Glu
 35 40 45

Ile Leu Glu Phe Asp Leu Arg Gly Ile Pro Leu Asp Phe Ser Ser Ser
 50 55 60

Leu Gly Ile Ile Val Lys Asp Phe Glu Thr Ile Gly Gln Asn Lys Leu
 65 70 75 80

Ile Gly Thr Ala Thr Val Ala Leu Lys Asp Leu Thr Gly Asp Gln Ser
 85 90 95

Arg Ser Leu Pro Tyr Lys Leu Ile Ser Leu Leu Asn Glu Lys Gly Gln
 100 105 110

Asp Thr Gly Ala Thr Ile Asp Leu Val Ile Gly Tyr Asp Pro Pro Ser
 115 120 125

Ala Pro His Pro Asn Asp Leu Ser Gly Pro Ser Val Pro Gly Met Gly
 130 135 140

Gly Asp Gly Glu Glu Asp Glu Gly Asp Glu Asp Arg Leu Asp Asn Ala
 145 150 155 160

Val Arg Gly Pro Gly Pro Lys Gly Pro Val Gly Thr Val Ser Glu Ala
 165 170 175

Gln Leu Ala Arg Arg Leu Thr Lys Val Lys Asn Ser Arg Arg Met Leu
 180 185 190

Ser Asn Lys Pro Gln Asp Phe Gln Ile Arg Val Arg Val Ile Glu Gly
 195 200 205

Arg Gln Leu Ser Gly Asn Asn Ile Arg Pro Val Val Lys Val His Val
 210 215 220

Cys Gly Gln Thr His Arg Thr Arg Ile Lys Arg Gly Asn Asn Pro Phe
 225 230 235 240

Phe Asp Glu Leu Phe Phe Tyr Asn Val Asn Met Thr Pro Ser Glu Leu
 245 250 255

Met Asp Glu Ile Ile Ser Ile Arg Val Tyr Asn Ser His Ser Leu Arg
 260 265 270

Ala Asp Cys Leu Met Gly Glu Phe Lys Ile Asp Val Gly Phe Val Tyr
 275 280 285

Asp Glu Pro Gly His Ala Val Met Arg Lys Trp Leu Leu Leu Asn Asp
 290 295 300

Pro Glu Asp Thr Ser Ser Gly Ser Lys Gly Tyr Met Lys Val Ser Met
 305 310 315 320

Phe Val Leu Gly Thr Gly Asp Glu Pro Pro Pro Glu Arg Arg Asp Arg
 325 330 335

Asp Asn Asp Ser Asp Asp Val Glu Ser Asn Leu Leu Leu Pro Ala Gly
 340 345 350

Ile Ala Leu Arg Trp Val Thr Phe Leu Leu Lys Ile Tyr Arg Ala Glu
 355 360 365

Asp Ile Pro Gln Met Asp Asp Ala Phe Ser Gln Thr Val Lys Glu Ile
 370 375 380

Phe Gly Gly Asn Ala Asp Lys Lys Asn Leu Val Asp Pro Phe Val Glu

Val Ser Phe Ala Gly Lys Lys Val Cys Thr Asn Ile Ile Glu Lys Asn
 405 410 415

Ala Asn Pro Glu Trp Asn Gln Val Val Asn Leu Gln Ile Lys Phe Pro
 420 425 430

Ser Val Cys Glu Lys Ile Lys Leu Thr Ile Tyr Asp Trp Asp Arg Leu
435 440 445

Thr Lys Asn Asp Val Val Gly Thr Thr Tyr Leu His Leu Ser Lys Ile
450 455 460

Ala Ala Ser Gly Gly Glu Val Glu Asp Phe Ser Ser Ser Gly Thr Gly
465 470 475 480

Ala Ala Ser Tyr Thr Val Asn Thr Gly Glu Thr Glu Val Gly Phe Val
485 490 495

Pro Thr Phe Gly Pro Cys Tyr Leu Asn Leu Tyr Gly Ser Pro Arg Glu
500 505 510

Tyr Thr Gly Phe Pro Asp Pro Tyr Asp Glu Leu Asn Thr Gly Lys Gly
515 520 525

Glu Gly Val Ala Tyr Arg Gly Arg Ile Leu Val Glu Leu Ala Thr Phe
530 535 540

Leu Glu Lys Thr Pro Pro Asp Lys Lys Leu Glu Pro Ile Ser Asn Asp
545 550 555 560

Asp Leu Leu Val Val Glu Lys Tyr Gln Arg Arg Arg Lys Tyr Ser Leu
565 570 575

Ser Ala Val Phe His Ser Ala Thr Met Leu Gln Asp Val Gly Glu Ala
580 585 590

Ile Gln Phe Glu Val Ser Ile Gly Asn Tyr Gly Asn Lys Phe Asp Thr
595 600 605

Thr Cys Lys Pro Leu Ala Ser Thr Thr Gln Tyr Ser Arg Ala Val Phe
610 615 620

Asp Gly Asn Tyr Tyr Tyr Tyr Leu Pro Trp Ala His Thr Lys Pro Val
625 630 635 640

Val Thr Leu Thr Ser Tyr Trp Glu Asp Ile Ser His Arg Leu Asp Ala
645 650 655

Val Asn Thr Leu Leu Ala Met Ala Glu Arg Leu Gln Thr Asn Ile Glu
660 665 670

Ala Leu Lys Ser Gly Ile Gln Gly Lys Ile Pro Ala Asn Gln Leu Ala

675

680

685

Glu Leu Trp Leu Lys Leu Ile Asp Glu Val Ile Glu Asp Thr Arg Tyr
 690 695 700

Thr Leu Pro Leu Thr Glu Gly Lys Ala Asn Val Thr Val Leu Asp Thr
 705 710 715 720

Gln Ile Arg Lys Leu Arg Ser Arg Ser Leu Ser Gln Ile His Glu Ala
 725 730 735

Ala Val Arg Met Arg Ser Glu Ala Thr Asp Val Lys Ser Thr Leu Ala
 740 745 750

Glu Ile Glu Asp Trp Leu Asp Lys Leu Met Gln Leu Thr Glu Glu Pro
 755 760 765

Gln Asn Ser Met Pro Asp Ile Ile Ile Trp Met Ile Arg Gly Glu Lys
 770 775 780

Arg Leu Ala Tyr Ala Arg Ile Pro Ala His Gln Val Leu Tyr Ser Thr
 785 790 795 800

Ser Gly Glu Asn Ala Ser Gly Lys Tyr Cys Gly Lys Thr Gln Thr Ile
 805 810 815

Phe Leu Lys Tyr Pro Gln Glu Lys Asn Asn Gly Pro Lys Val Pro Val
 820 825 830

Glu Leu Arg Val Asn Ile Trp Leu Gly Leu Ser Ala Val Glu Lys Lys
 835 840 845

Phe Asn Ser Phe Ala Glu Gly Thr Phe Thr Val Phe Ala Glu Met Tyr
 850 855 860

Glu Asn Gln Ala Leu Met Phe Gly Lys Trp Gly Thr Ser Gly Leu Val
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Gly Arg His Lys Phe Ser Asp Val Thr Gly Lys Ile Lys Leu Lys Arg
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Glu Phe Phe Leu Pro Pro Lys Gly Trp Glu Trp Glu Gly Glu Trp Ile

Val Asp Pro Glu Arg Ser Leu Leu Thr Glu Ala Asp Ala Gly His Thr
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Glu Phe Thr Asp Glu Val Tyr Gln Asn Glu Ser Arg Tyr Pro Gly Gly
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Asp Trp Lys Pro Ala Glu Asp Thr Tyr Thr Asp Ala Asn Gly Asp Lys
 945 950 955 960

Ala Ala Ser Pro Ser Glu Leu Thr Cys Pro Pro Gly Trp Glu Trp Glu
 965 970 975

Asp Asp Ala Trp Ser Tyr Asp Ile Asn Arg Ala Val Asp Glu Lys Gly
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Trp Glu Tyr Gly Ile Thr Ile Pro Pro Asp His Lys Pro Lys Ser Trp
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Val Ala Ala Glu Lys Met Tyr His Thr His Arg Arg Arg Arg Leu
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Val Arg Lys Arg Lys Lys Asp Leu Thr Gln Thr Ala Ser Ser Thr
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Ala Arg Ala Met Glu Glu Leu Gln Asp Gln Glu Gly Trp Glu Tyr
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Ala Ser Leu Ile Gly Trp Lys Phe His Trp Lys Gln Arg Ser Ser
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Asp Thr Phe Arg Arg Arg Arg Trp Arg Arg Lys Met Ala Pro Ser
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Glu Thr His Gly Ala Ala Ala Ile Phe Lys Leu Glu Gly Ala Leu
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Gly Ala Asp Thr Thr Glu Asp Gly Asp Glu Lys Ser Leu Glu Lys
 1100 1105 1110

Gln Lys His Ser Ala Thr Thr Val Phe Gly Ala Asn Thr Pro Ile
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Val Ser Cys Asn Phe Asp Arg Val Tyr Ile Tyr His Leu Arg Cys
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Tyr Val Tyr Gln Ala Arg Asn Leu Leu Ala Leu Asp Lys Asp Ser
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Phe Ser Asp Pro Tyr Ala His Ile Cys Phe Leu His Arg Ser Lys
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Thr Thr Glu Ile Ile His Ser Thr Leu Asn Pro Thr Trp Asp Gln
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Thr Ile Ile Phe Asp Glu Val Glu Ile Tyr Gly Glu Pro Gln Thr
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Val Leu Gln Asn Pro Pro Lys Val Ile Met Glu Leu Phe Asp Asn
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Asp Gln Val Gly Lys Asp Glu Phe Leu Gly Arg Ser Ile Phe Ser
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Pro Val Val Lys Leu Asn Ser Glu Met Asp Ile Thr Pro Lys Leu
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Leu Trp His Pro Val Met Asn Gly Asp Lys Ala Cys Gly Asp Val
1250 1255 1260

Leu Val Thr Ala Glu Leu Ile Leu Arg Gly Lys Asp Gly Ser Asn
1265 1270 1275

Leu Pro Ile Leu Pro Pro Gln Arg Ala Pro Asn Leu Tyr Met Val
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Pro Gln Gly Ile Arg Pro Val Val Gln Leu Thr Ala Ile Glu Ile
1295 1300 1305

Leu Ala Trp Gly Leu Arg Asn Met Lys Asn Phe Gln Met Ala Ser
1310 1315 1320

Ile Thr Ser Pro Ser Leu Val Val Glu Cys Gly Gly Glu Arg Val
1325 1330 1335

Glu Ser Val Val Ile Lys Asn Leu Lys Lys Thr Pro Asn Phe Pro
1340 1345 1350

Ser Ser Val Leu Phe Met Lys Val Phe Leu Pro Lys Glu Glu Leu
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Tyr Met Pro Pro Leu Val Ile Lys Val Ile Asp His Arg Gln Phe
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Gly Arg Lys Pro Val Val Gly Gln Cys Thr Ile Glu Arg Leu Asp

1385	1390	1395
Arg Phe 1400	Arg Cys Asp Pro Tyr 1405	Ala Gly Lys Glu Asp Ile Val Pro 1410
Gln Leu 1415	Lys Ala Ser Leu Leu 1420	Ser Ala Pro Pro Cys Arg Asp Ile 1425
Val Ile 1430	Glu Met Glu Asp Thr 1435	Lys Pro Leu Leu Ala Ser Lys Leu 1440
Thr Glu 1445	Lys Glu Glu Glu Ile 1450	Val Asp Trp Trp Ser Lys Phe Tyr 1455
Ala Ser 1460	Ser Gly Glu His Glu 1465	Lys Cys Gly Gln Tyr Ile Gln Lys 1470
Gly Tyr 1475	Ser Lys Leu Lys Ile 1480	Tyr Asn Cys Glu Leu Glu Asn Val 1485
Ala Glu 1490	Phe Glu Gly Leu Thr 1495	Asp Phe Ser Asp Thr Phe Lys Leu 1500
Tyr Arg	Gly Lys Ser Asp Glu	Asn Glu Asp Pro Ser Val Val Gly
Glu Phe 1520	Lys Gly Ser Phe Arg 1525	Ile Tyr Pro Leu Pro Asp Asp Pro 1530
Ser Val 1535	Pro Ala Pro Pro Arg 1540	Gln Phe Arg Glu Leu Pro Asp Ser 1545
Val Pro 1550	Gln Glu Cys Thr Val 1555	Arg Ile Tyr Ile Val Arg Gly Leu 1560
Glu Leu 1565	Gln Pro Gln Asp Asn 1570	Asn Gly Leu Cys Asp Pro Tyr Ile 1575
Lys Ile 1580	Thr Leu Gly Lys Lys 1585	Val Ile Glu Asp Arg Asp His Tyr 1590
Ile Pro 1595	Asn Thr Leu Asn Pro 1600	Val Phe Gly Arg Met Tyr Glu Leu 1605
Ser Cys 1610	Tyr Leu Pro Gln Glu 1615	Lys Asp Leu Lys Ile Ser Val Tyr 1620

Asp Tyr 1625 Asp Thr Phe Thr Arg 1630 Asp Glu Lys Val Gly 1635 Glu Thr Ile
 Ile Asp 1640 Leu Glu Asn Arg Phe 1645 Leu Ser Arg Phe Gly 1650 Ser His Cys
 Gly Ile 1655 Pro Glu Glu Tyr Cys 1660 Val Ser Gly Val Asn 1665 Thr Trp Arg
 Asp Gln 1670 Leu Arg Pro Thr Gln 1675 Leu Leu Gln Asn Val 1680 Ala Arg Phe
 Lys Gly 1685 Phe Pro Gln Pro Ile 1690 Leu Ser Glu Asp Gly 1695 Ser Arg Ile
 Arg Tyr 1700 Gly Gly Arg Asp Tyr 1705 Ser Leu Asp Glu Phe 1710 Glu Ala Asn
 Lys Ile 1715 Leu His Gln His Leu 1720 Gly Ala Pro Glu Glu 1725 Arg Leu Ala
 Leu His 1730 Ile Leu Arg Thr Gln 1735 Gly Leu Val Pro Glu 1740 His Val Glu
 Thr Arg 1745 Thr Leu His Ser Thr 1750 Phe Gln Pro Asn Ile 1755 Ser Gln Gly
 Lys Leu 1760 Gln Met Trp Val Asp 1765 Val Phe Pro Lys Ser 1770 Leu Gly Pro
 Pro Gly 1775 Pro Pro Phe Asn Ile 1780 Thr Pro Arg Lys Ala 1785 Lys Lys Tyr
 Tyr Leu 1790 Arg Val Ile Ile Trp 1795 Asn Thr Lys Asp Val 1800 Ile Leu Asp
 Glu Lys 1805 Ser Ile Thr Gly Glu 1810 Glu Met Ser Asp Ile 1815 Tyr Val Lys
 Gly Trp 1820 Ile Pro Gly Asn Glu 1825 Glu Asn Lys Gln Lys 1830 Thr Asp Val
 His Tyr 1835 Arg Ser Leu Asp Gly 1840 Glu Gly Asn Phe Asn 1845 Trp Arg Phe
 Val Phe Pro Phe Asp Tyr Leu Pro Ala Glu Gln Leu Cys Ile Val

1850

1855

1860

Ala Lys Lys Glu His Phe Trp Ser Ile Asp Gln Thr Glu Phe Arg
1865 1870 1875

Ile Pro Pro Arg Leu Ile Ile Gln Ile Trp Asp Asn Asp Lys Phe
1880 1885 1890

Ser Leu Asp Asp Tyr Leu Gly Phe Leu Glu Leu Asp Leu Arg His
1895 1900 1905

Thr Ile Ile Pro Ala Lys Ser Pro Glu Lys Cys Arg Leu Asp Met
1910 1915 1920

Ile Pro Asp Leu Lys Ala Met Asn Pro Leu Lys Ala Lys Thr Ala
1925 1930 1935

Ser Leu Phe Glu Gln Lys Ser Met Lys Gly Trp Trp Pro Cys Tyr
1940 1945 1950

Ala Glu Lys Asp Gly Ala Arg Val Met Ala Gly Lys Val Glu Met
1955 1960 1965

Thr Leu Glu Ile Leu Asn Glu Lys Glu Ala Asp Glu Arg Pro Ala
1970 1975 1980

Gly Lys Gly Arg Asp Glu Pro Asn Met Asn Pro Lys Leu Asp Leu
1985 1990 1995

Pro Asn Arg Pro Glu Thr Ser Phe Leu Trp Phe Thr Asn Pro Cys
2000 2005 2010

Lys Thr Met Lys Phe Ile Val Trp Arg Arg Phe Lys Trp Val Ile
2015 2020 2025

Ile Gly Leu Leu Phe Leu Leu Ile Leu Leu Leu Phe Val Ala Val
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Pro Asn Val
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